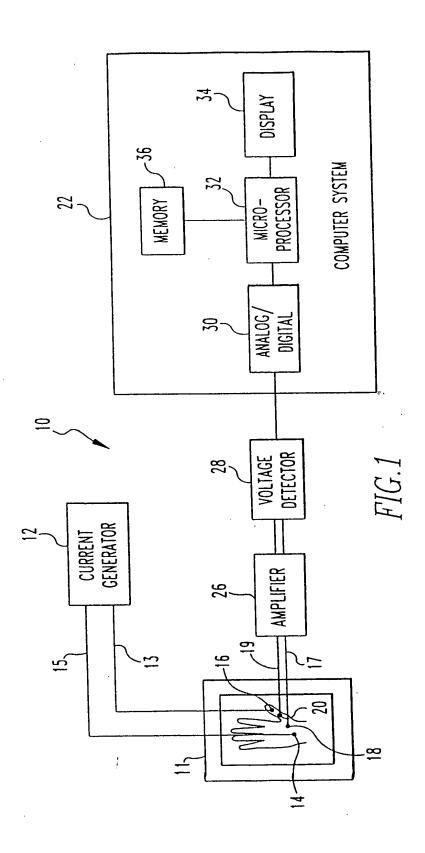
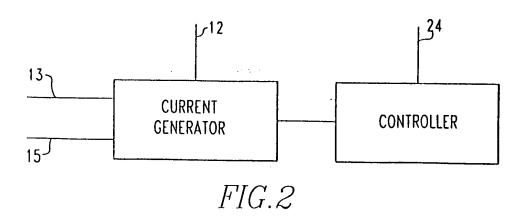
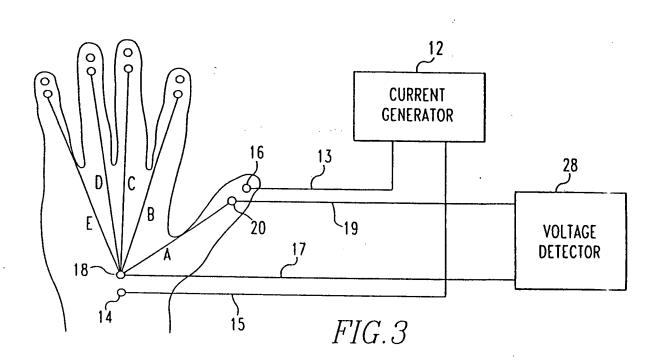
METHOD AND SYSTEM FOR BIOMETRIC RECOGNITION BASED ON ELECTRIC AND OR MAGNETIC CHARACTERISTICS

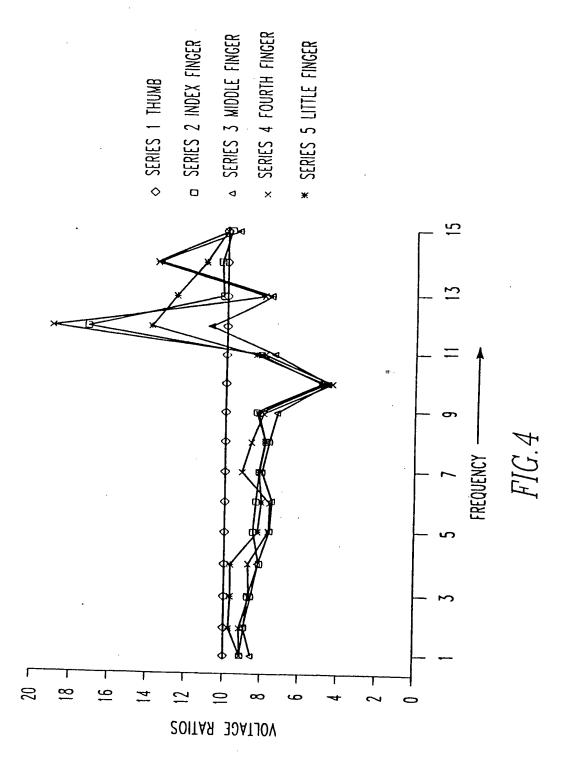
Juliana H. J. Brooks Serial No.: 09/396,112 Docket No. 35007

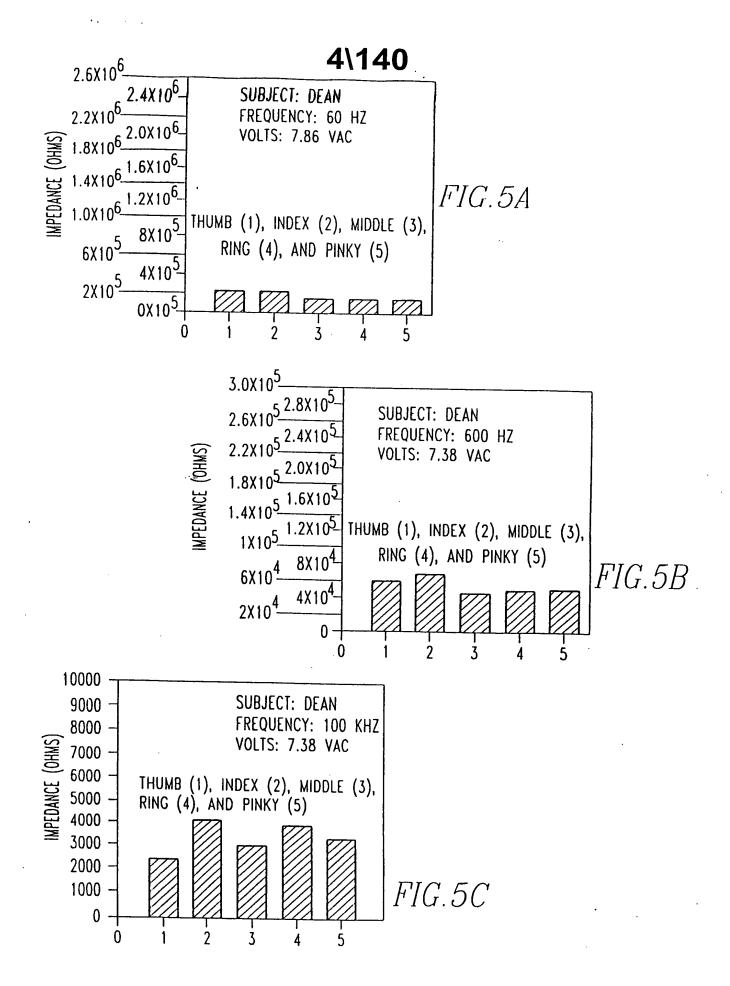
FEB 0 7 2005

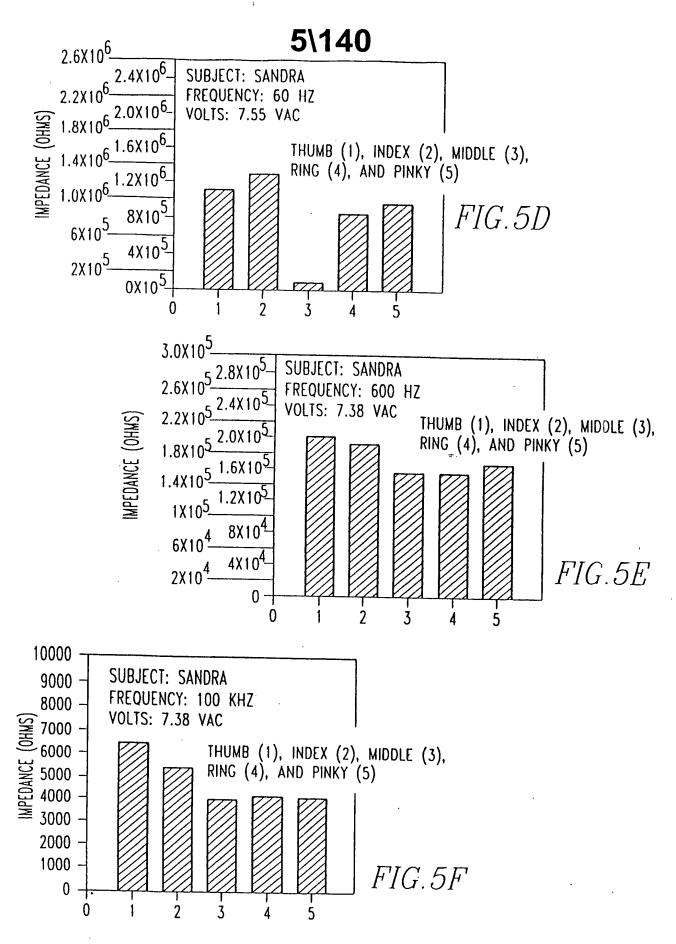


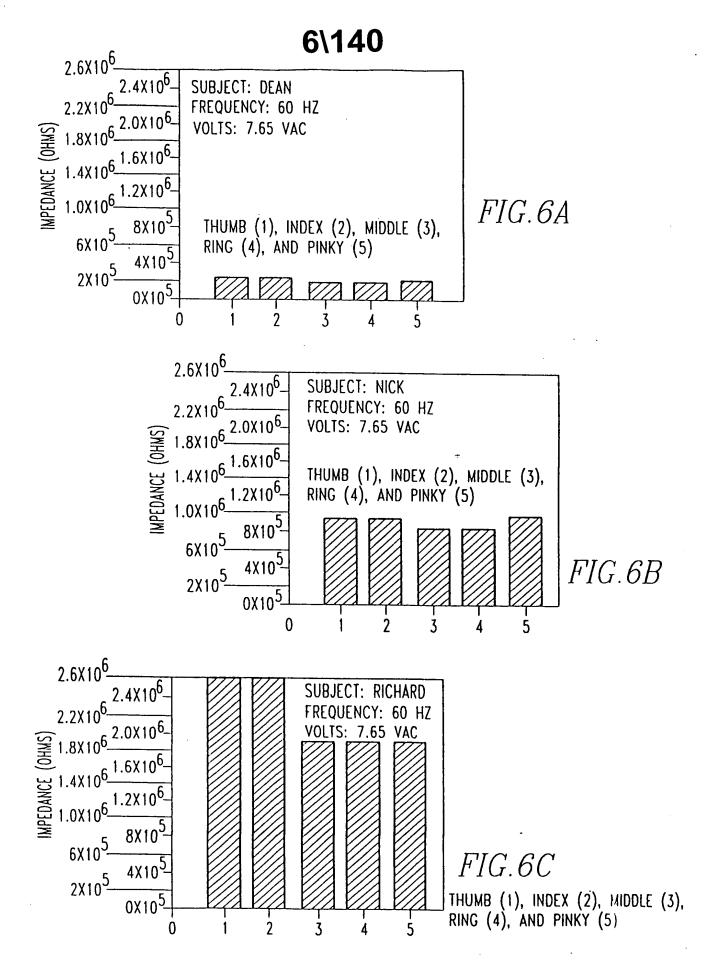


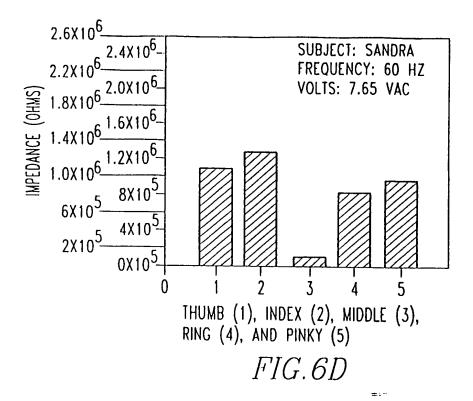


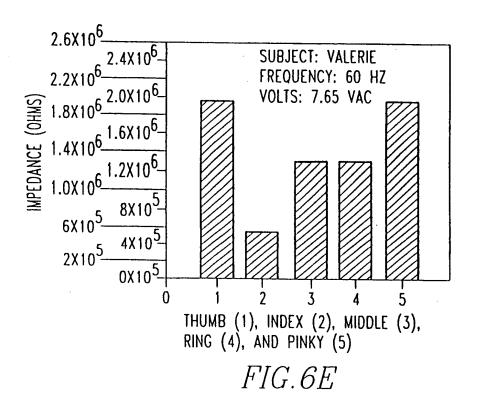


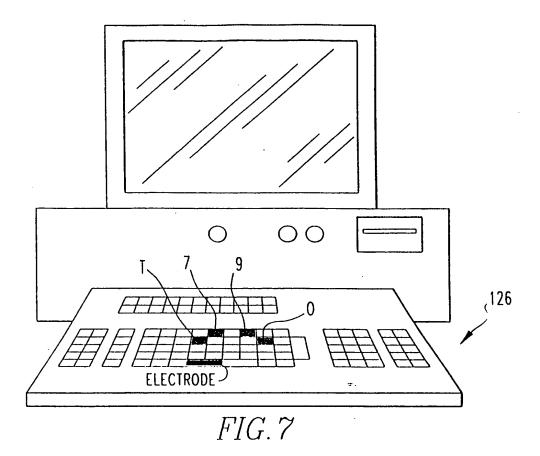


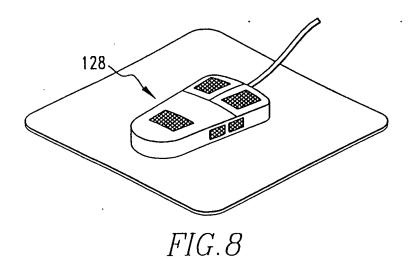


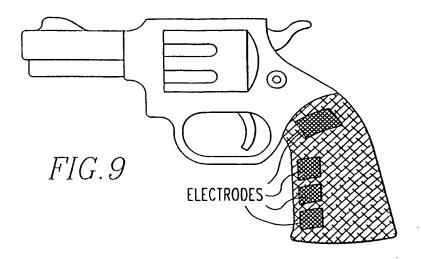


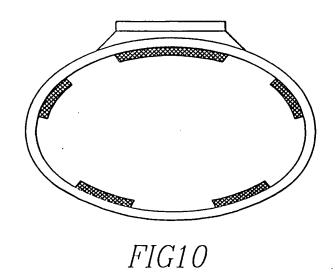










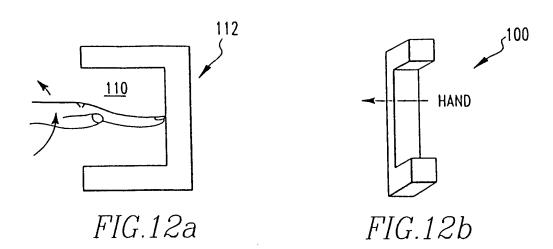


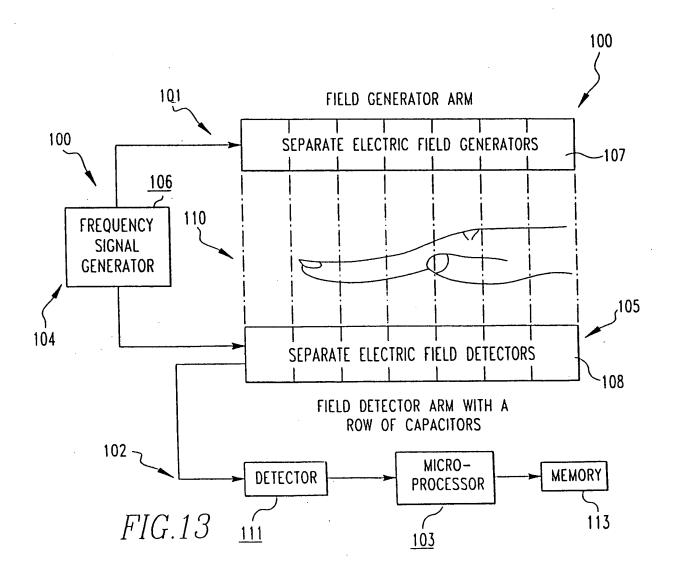
#### 10\140

PROVIDING ENERGY TO
AN INDIVIDUAL LIVING
ORGANISM

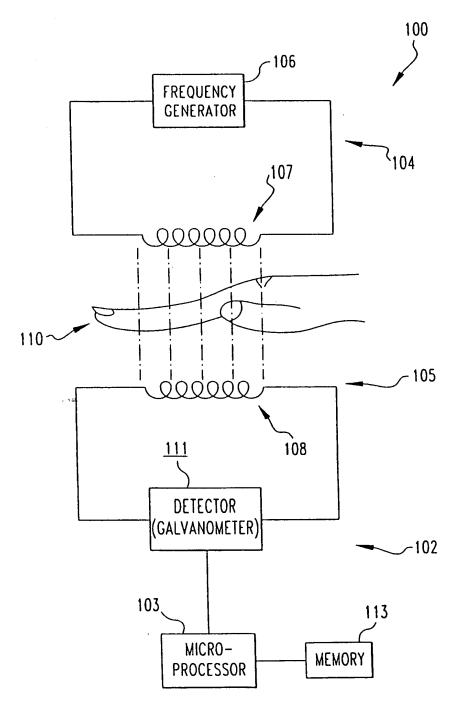
DETECTING A CHARACTERISTIC
OF THE ORGANISM FROM
THE ENERGY

*FIG.11* 





## 12\140



DETECTOR CAN BE A PHASE SENSITIVE DETECTOR

FIG.14

## 13\140

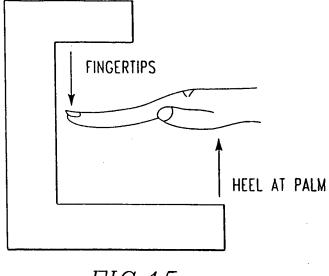
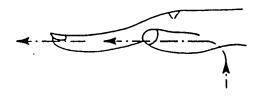


FIG.15

CURRENT

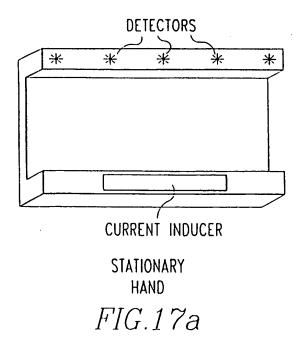


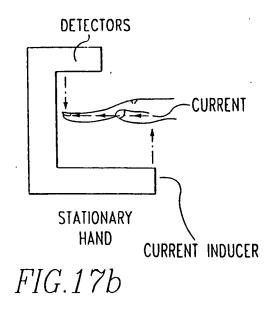
FROM HEEL OF PALM LENGTHWISE TO FINGERTIPS

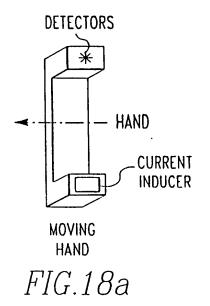
FIG.16

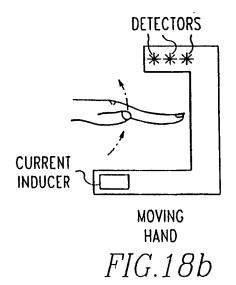
#### METHOD AND SYSTEM FOR BIOMETRIC RECOGNITION BASED ON ELECTRIC AND OR MAGNETIC CHARACTERISTICS

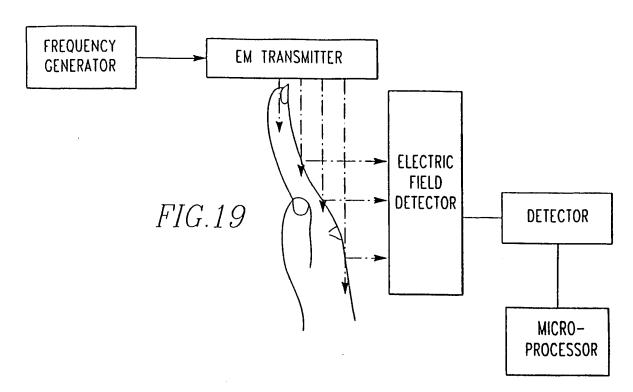
Juliana H. J. Brooks Serial No.: 09/396,112 Docket No. 35007

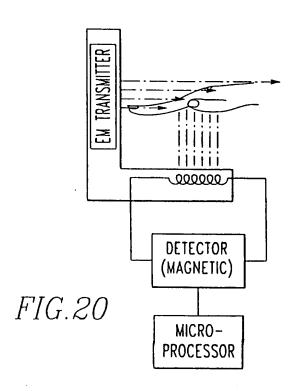






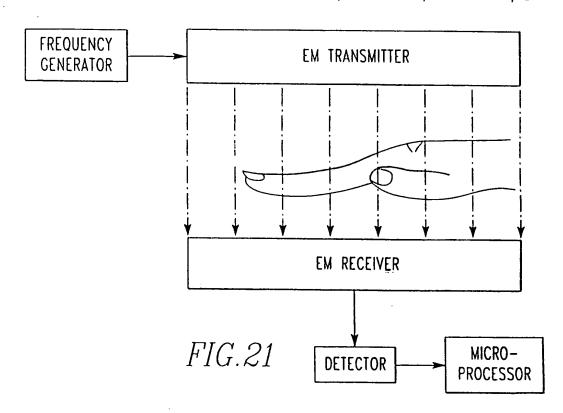


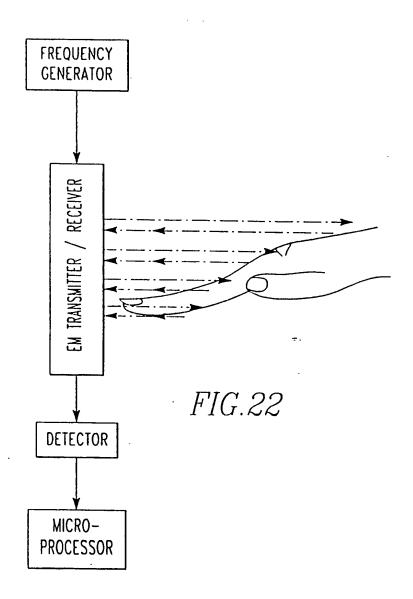


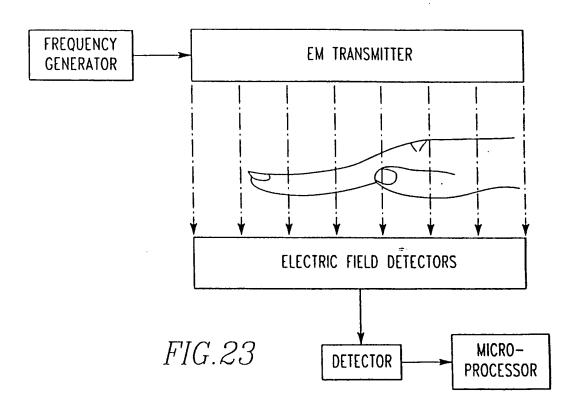


#### 16\140

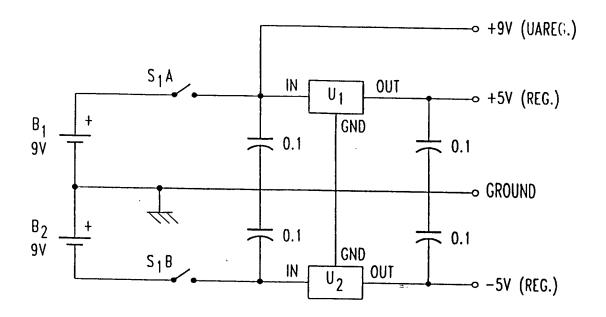
DETECTOR CAN MEASURE PHASE, AMPLITUDE, FREQUENCY, WAVE FORM, ETC.







#### 19\140



 $U_1 = 78LOSACLP$ 

U<sub>2</sub>= 79LOSCLP

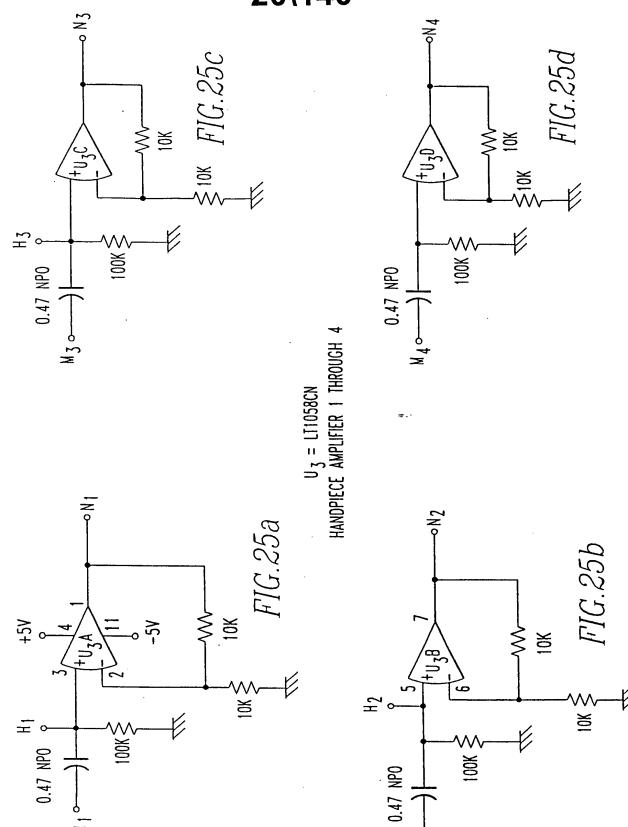
S1= DPST

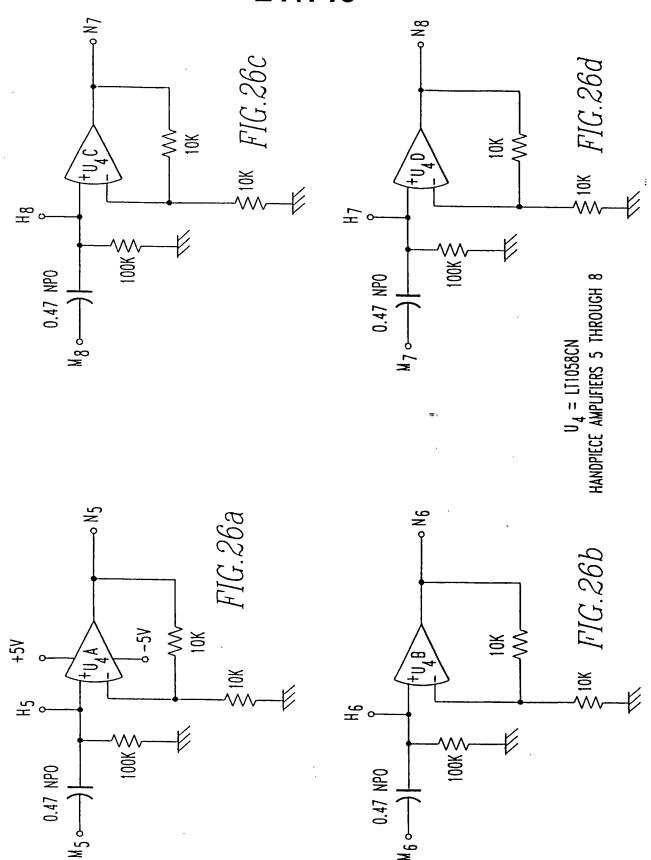
POSITIVE 5 VOLT REGULATOR

NEGATIVE 5 VOLT REGULATOR

POWER SUPPLY REGULATORS

FIG.24





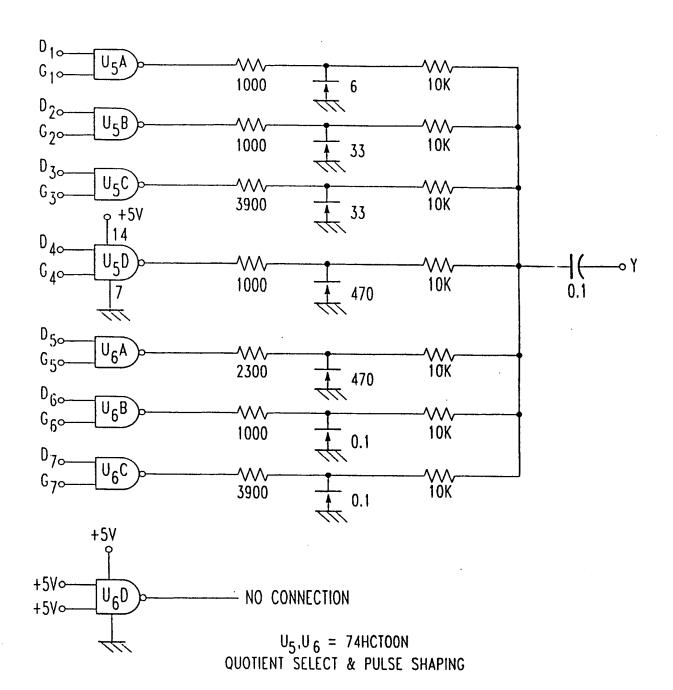
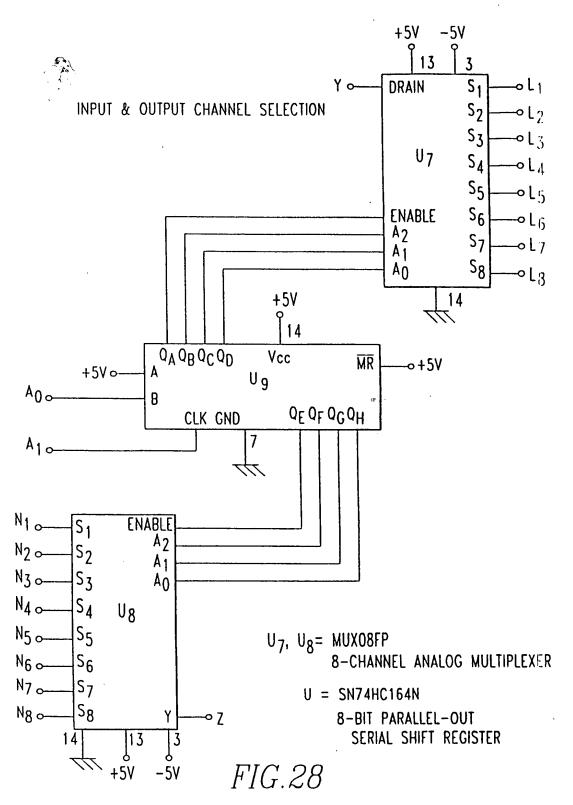
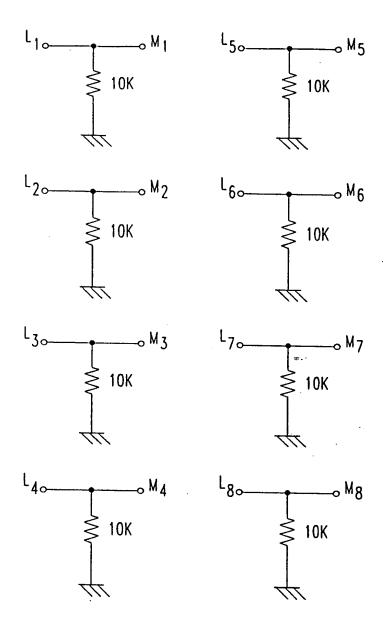


FIG.27

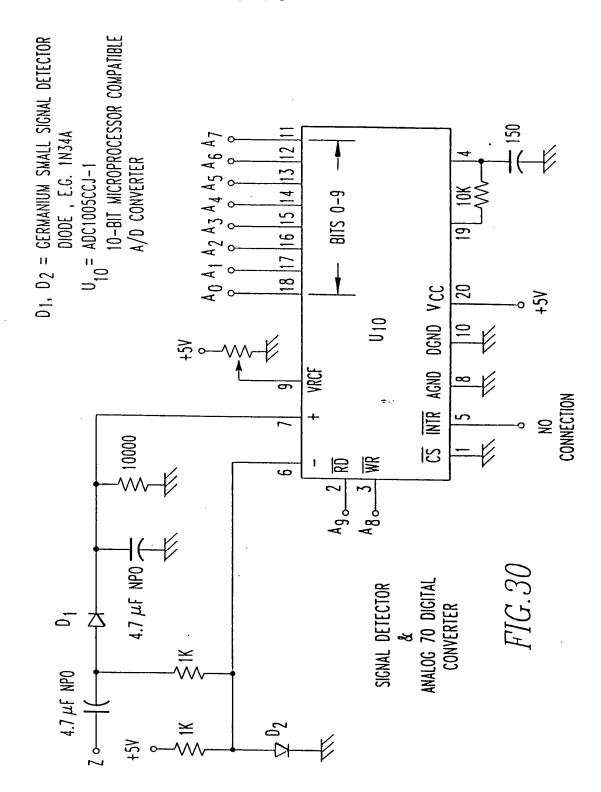


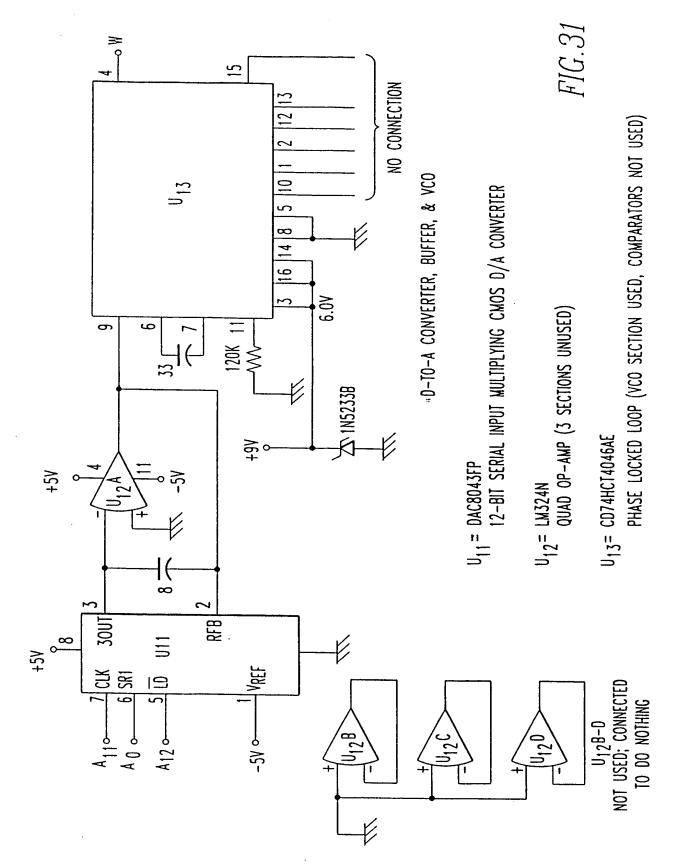
## 24\140



**OUTPUT MUX LOAD RESISTORS** 

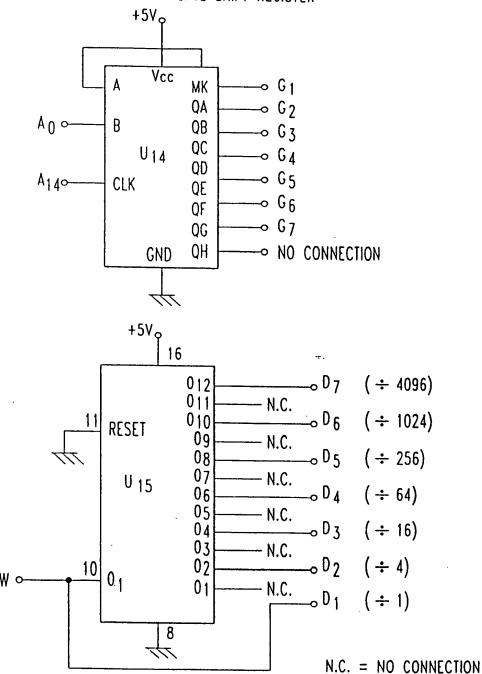
FIG.29





#### 27\140

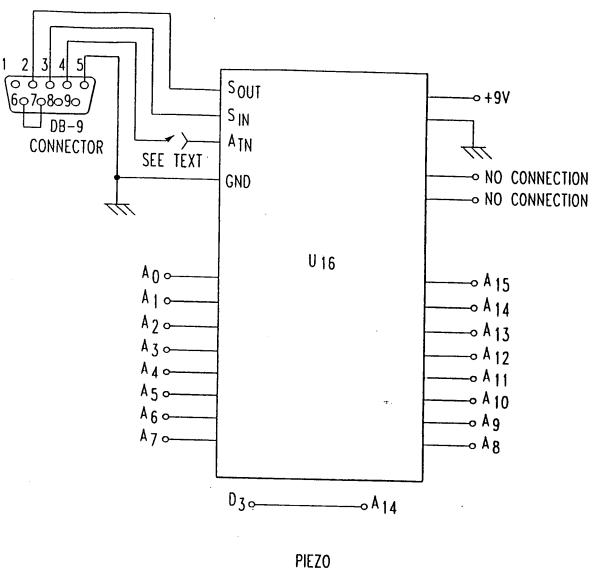
FREQUENCY DIVIDER & FREQUENCY DIVIDER
GATE SHIFT REGISTER

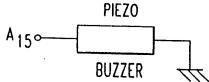


U<sub>14</sub> = SN74HCI64N 8-BIT PARALLEL-OUT SERIAL SHIFT REGISTER

U<sub>15</sub> = 74HC4040 12-STAGE RIPPLE CARRY BINARY COUNTER FIG. 32

#### 28\140





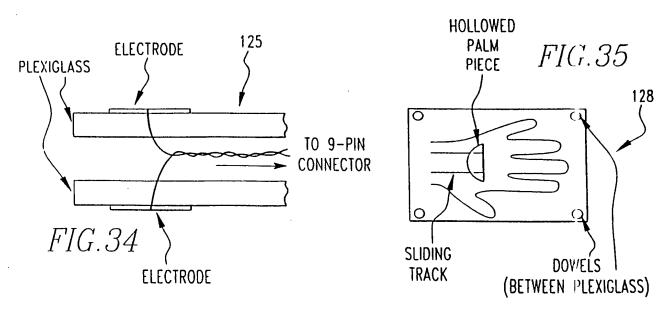
#### MICROPROCESSOR

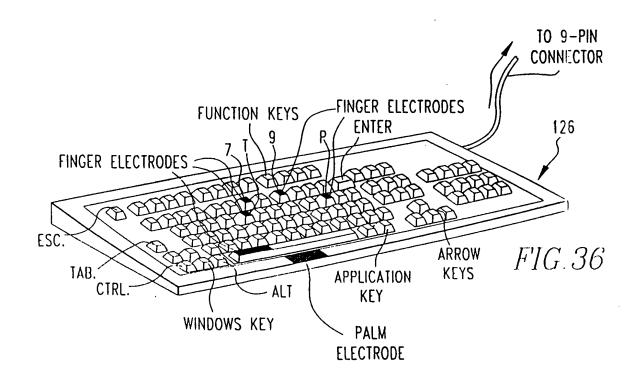
U<sub>16</sub>= PARALLAX, INC. BASIC STAMP II MICROCONTROLLER W/2048-BYTE EEPROM, 26 BYTE RAM, 16 1/0 LINES & SERIAL INTERFACE.

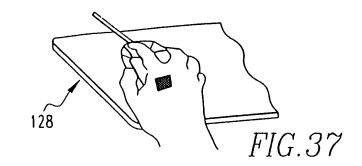
FIG.33

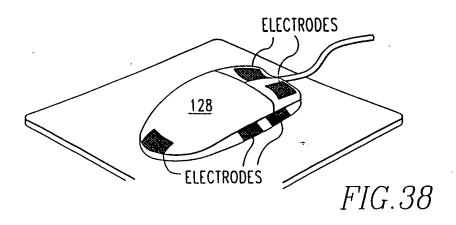
#### METHOD AND SYSTEM FOR BIOMETRIC RECOGNITION BASED ON ELECTRIC AND OR MAGNETIC CHARACTERISTICS

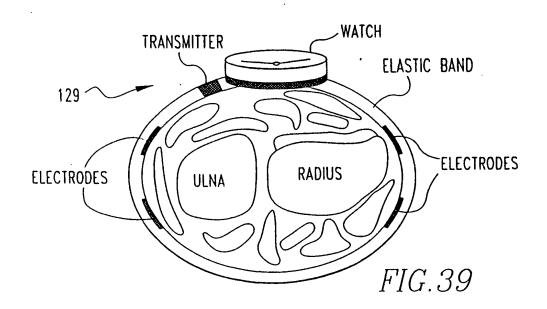
Juliana H. J. Brooks Serial No.: 09/396,112 Docket No. 35007

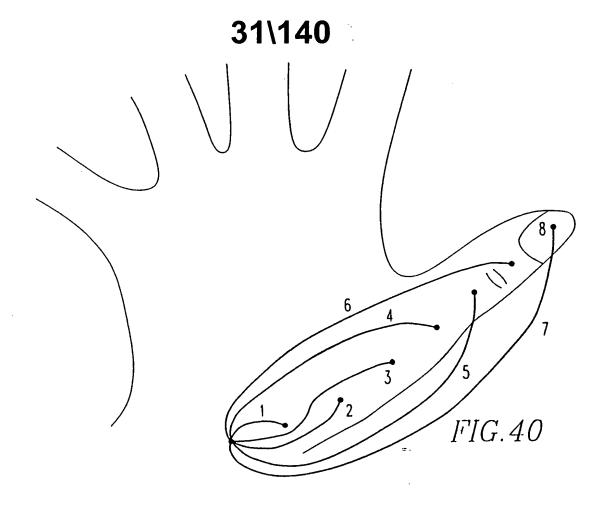


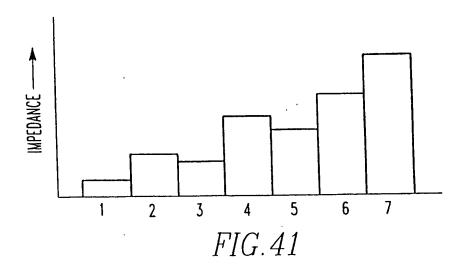


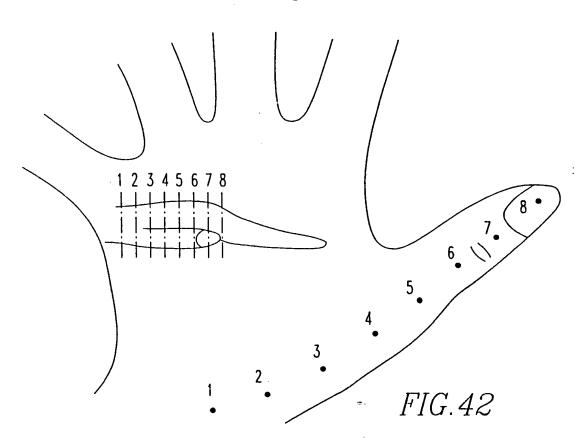


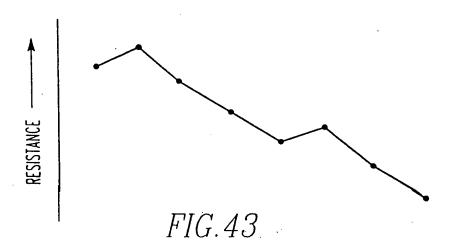


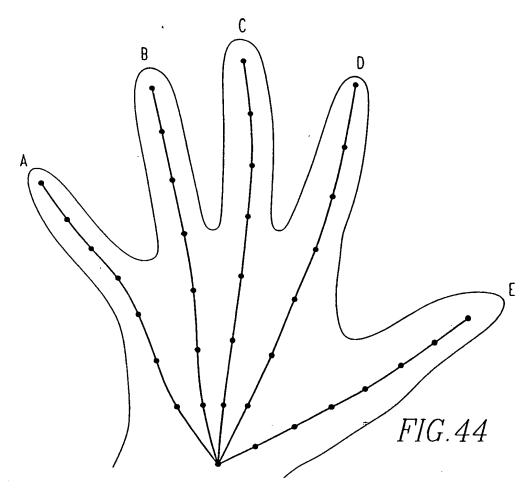


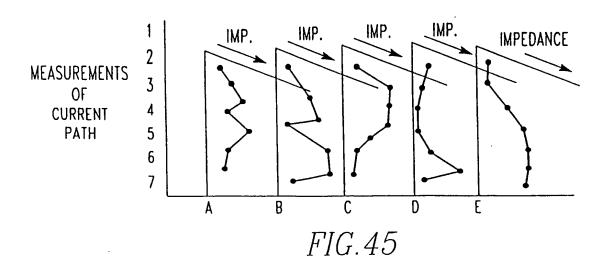












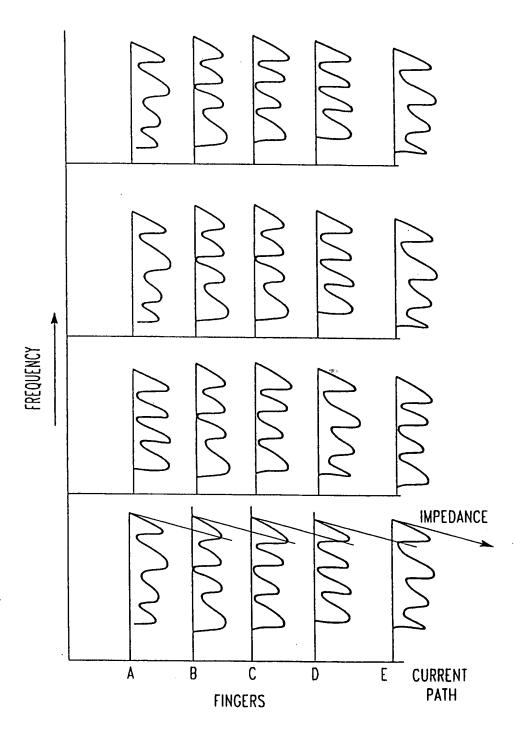
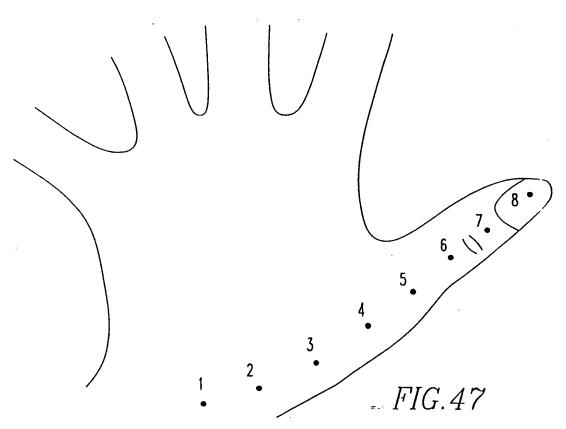
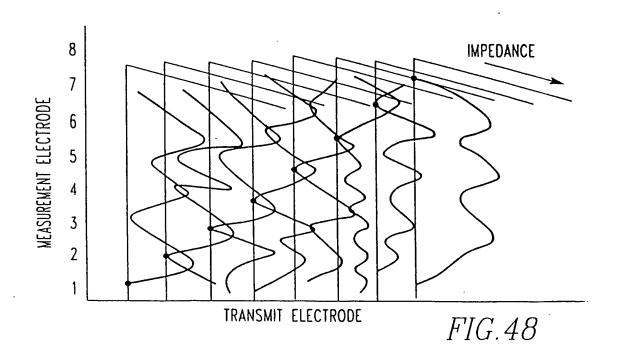
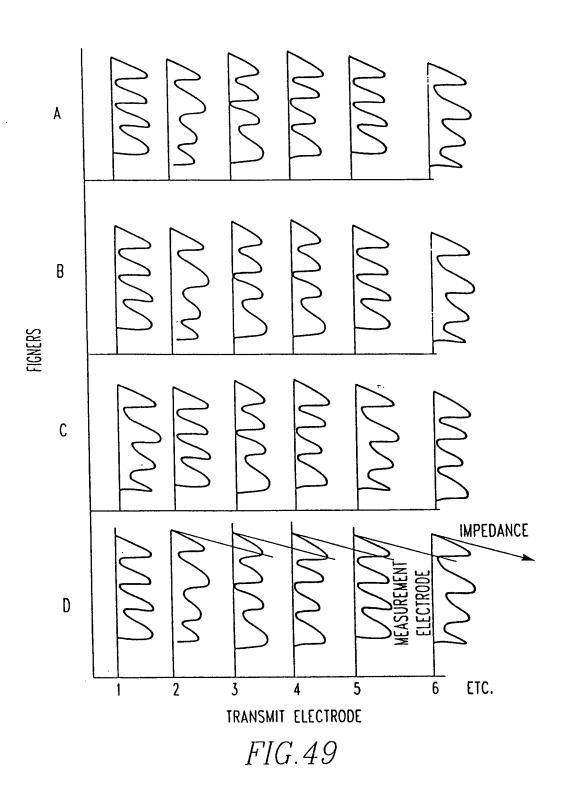


FIG. 46

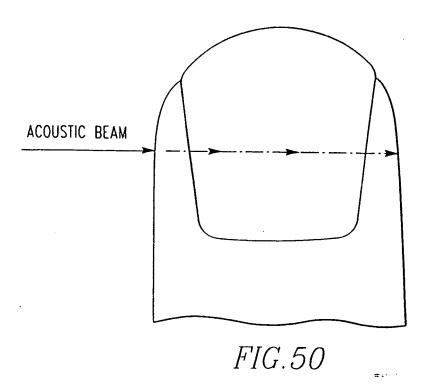








37\140



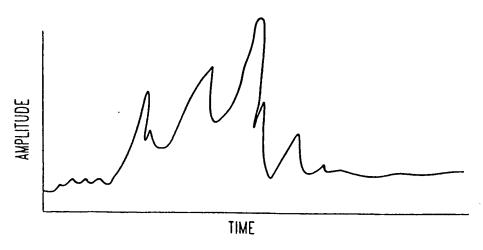
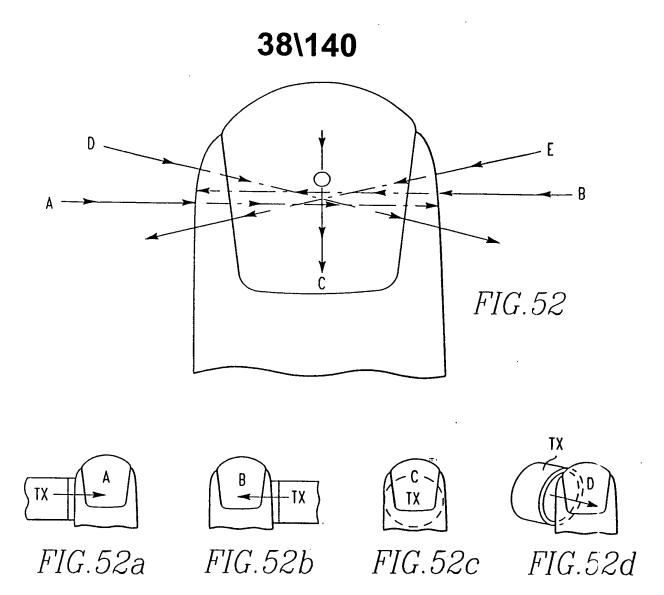
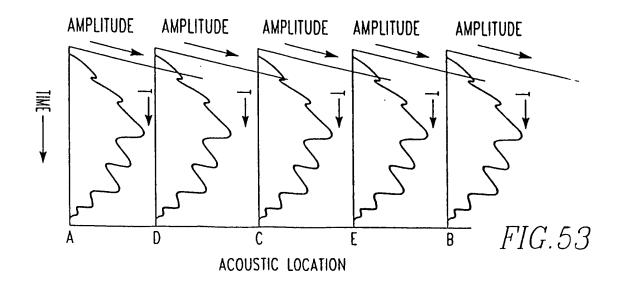
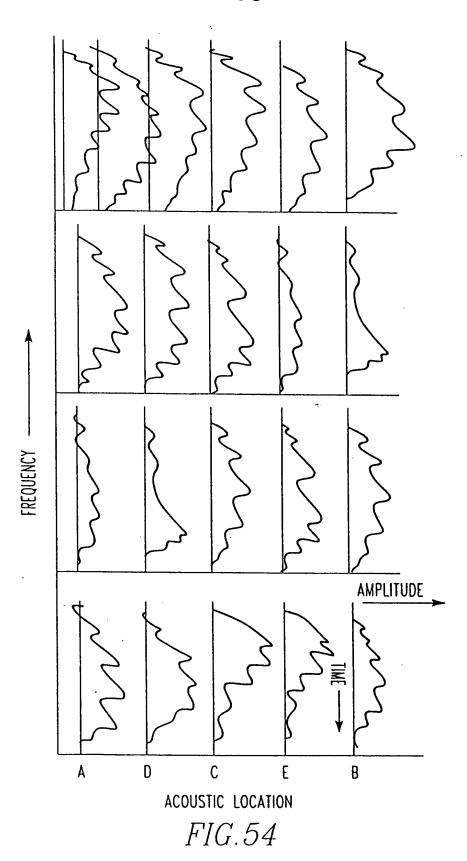


FIG.51

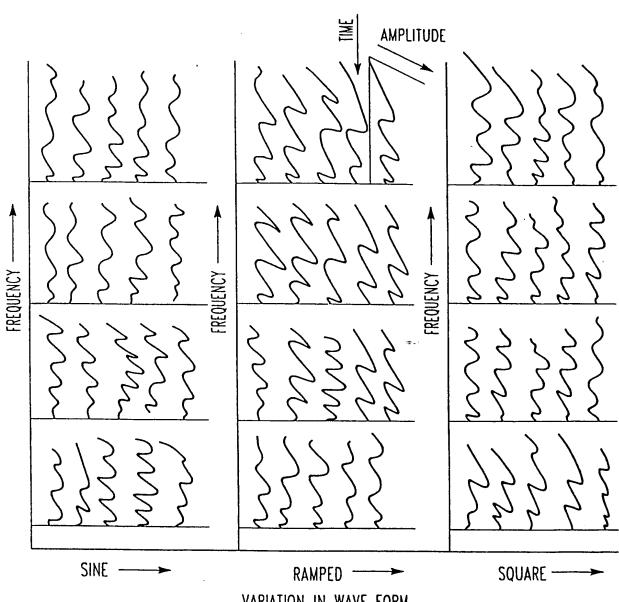




# 39\140



# 40\140



VARIATION IN WAVE FORM

*FIG.55* 

# 41\140

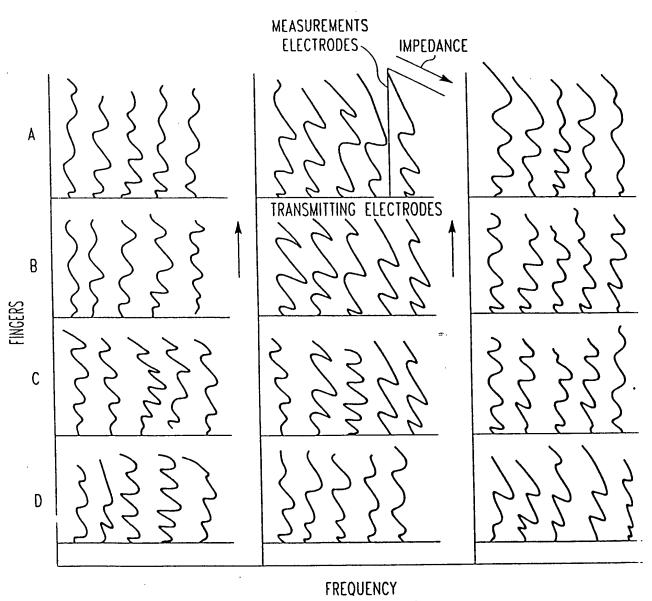


FIG.56

# 42\140

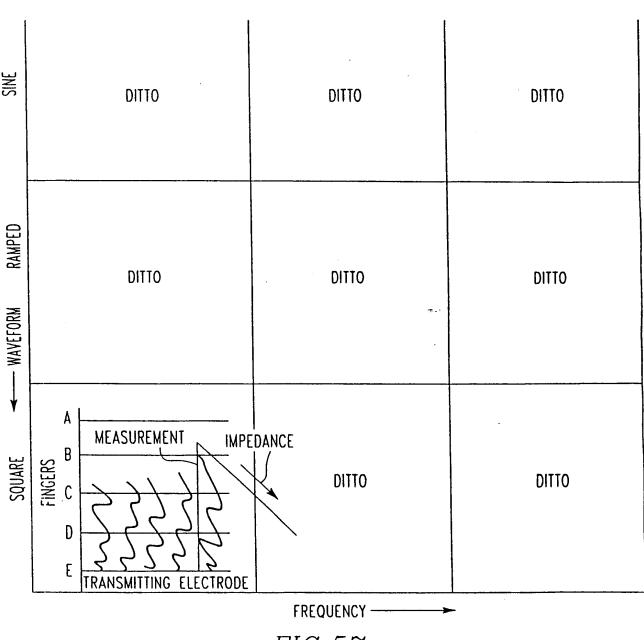
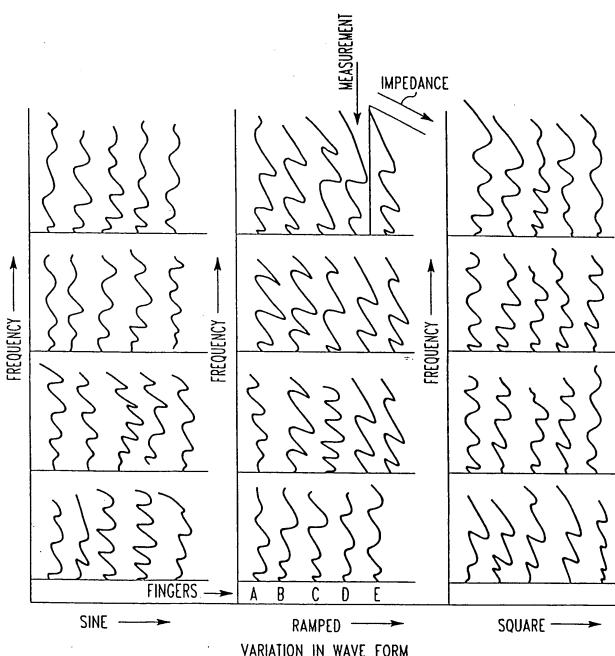


FIG.57

# 43\140



VARIATION IN WAVE FORM

*FIG.58* 

# 44\140

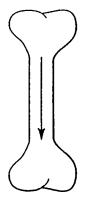


FIG.59

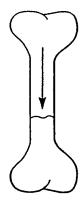
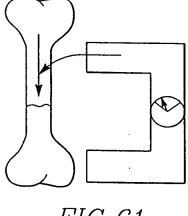
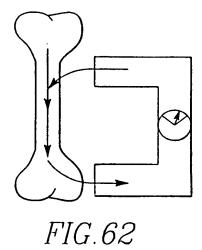


FIG.60







# 45\140

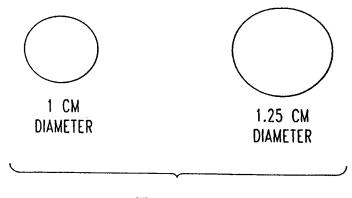


FIG.63

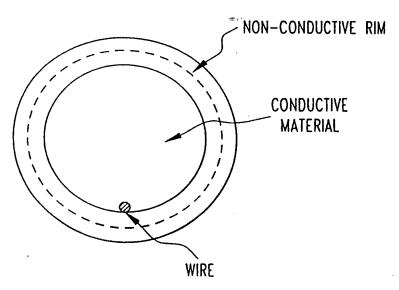
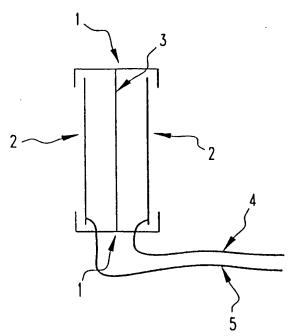


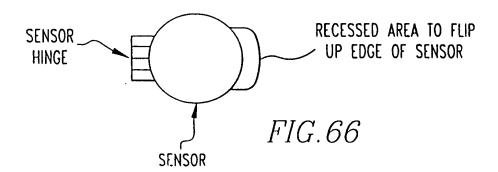
FIG. 64

## 46\140



- 1. NON-CONDUCTIVE RIM
- 2. CONDUCTIVE ELECTRODE
- 3. NON-CONDUCTIVE DIVIDER
- 4. CONNECTOR TO ANALYZER5. CONNECTOR TO GENERATOR

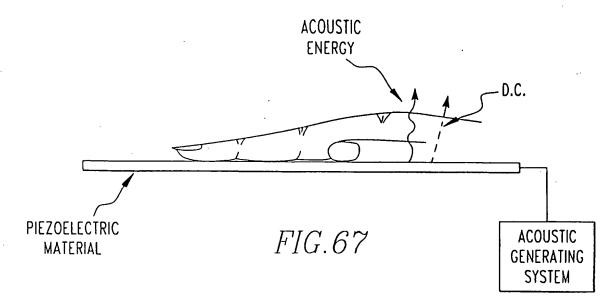
*FIG.65* 



## METHOD AND SYSTEM FOR BIOMETRIC RECOGNITION BASED ON ELECTRIC AND OR MAGNETIC CHARACTERISTICS

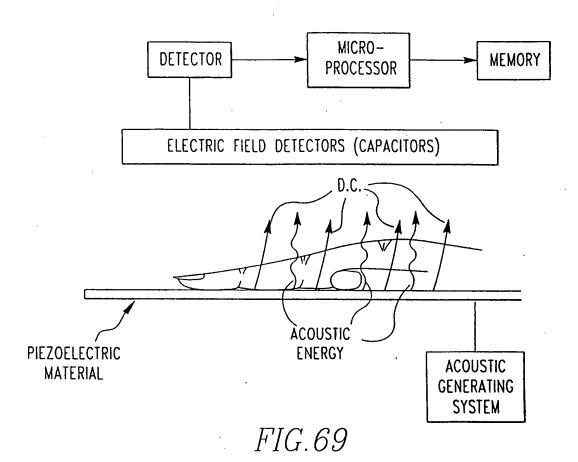
Juliana H. J. Brooks Serial No.: 09/396,112 Docket No. 35007

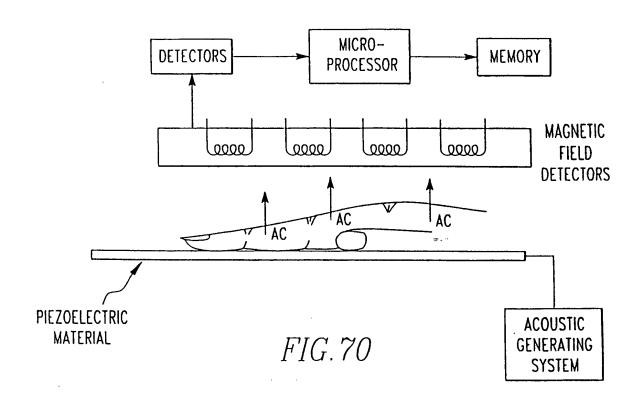
#### 47\140



# ACOUSTIC FREQUENCY RESONANT WITH NATURAL OSCILLATING FREQUENCY OF HAND STRUCTURE PIEZOELECTRIC MATERIAL ALTERNATING CURRENT ACOUSTIC GENERATING SYSTEM

# 48\140





## 50\140

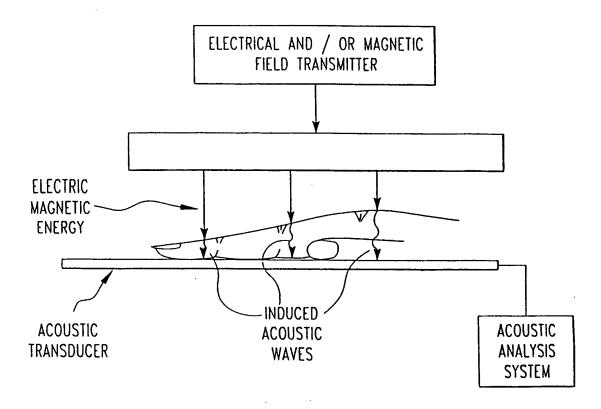
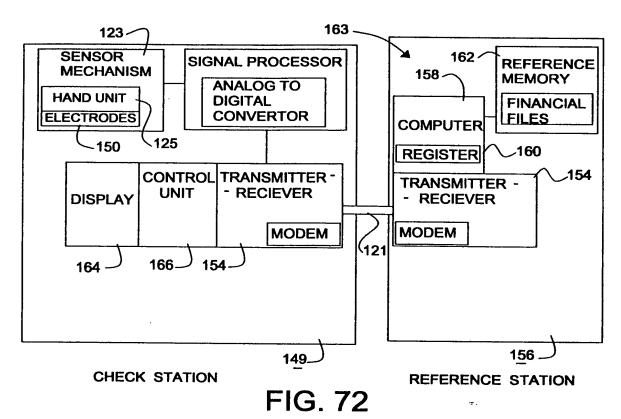
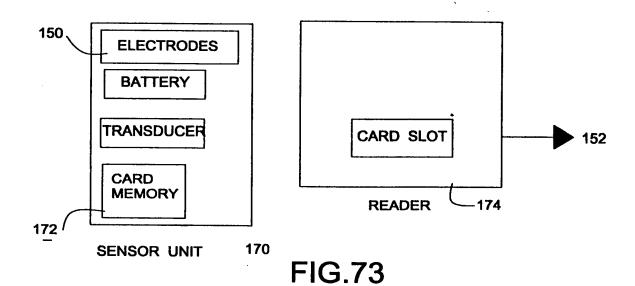
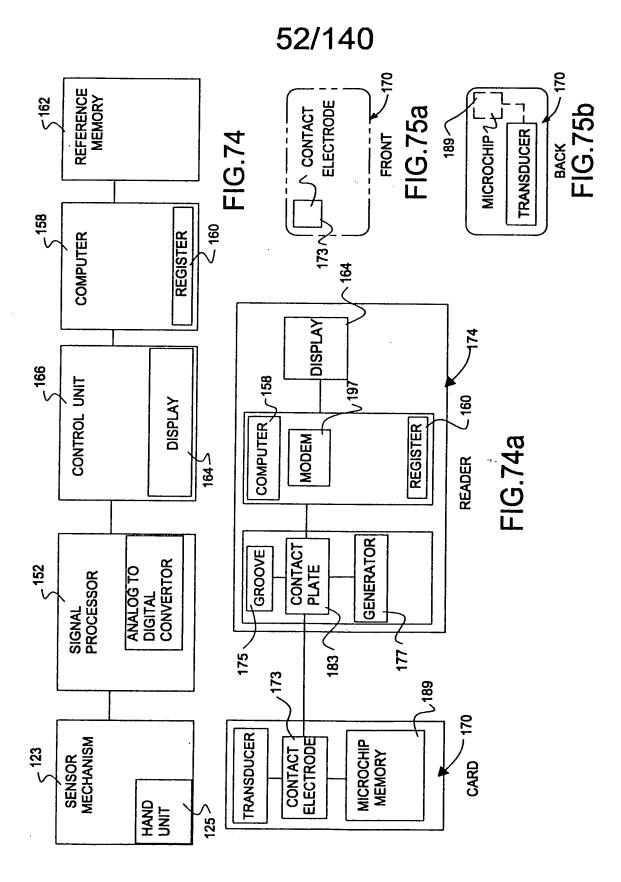


FIG. 71







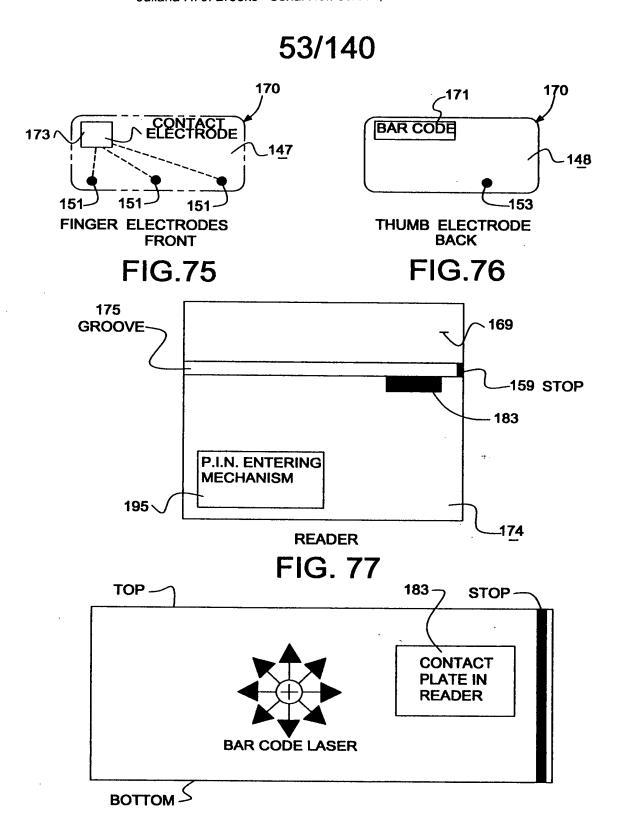
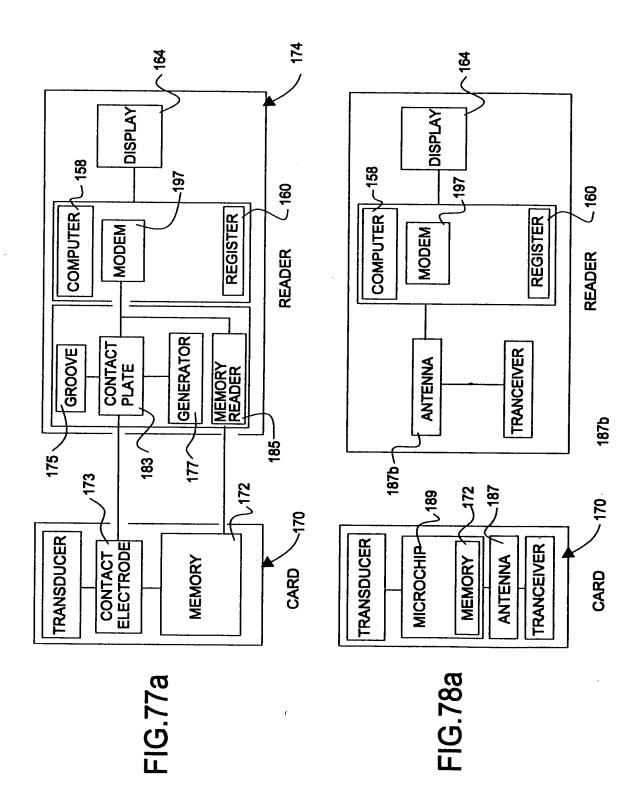
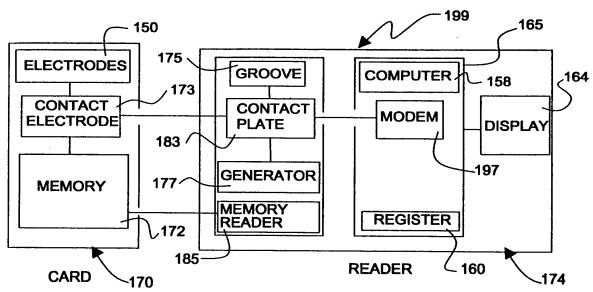
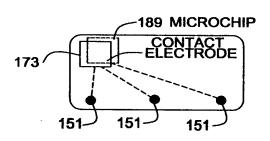


FIG. 78





**FIG.79** 



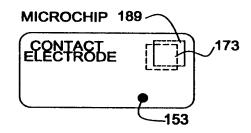
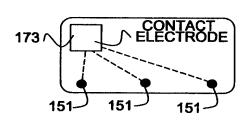
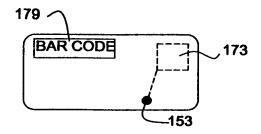


FIG.79a

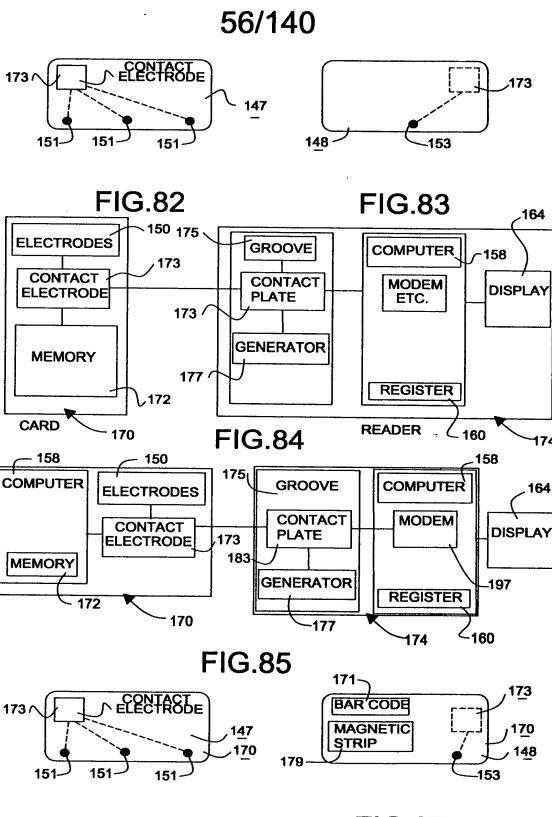
FIG.79b





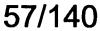
**FIG.80** 

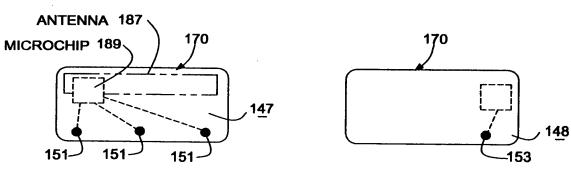
**FIG.81** 



**FIG.86** 

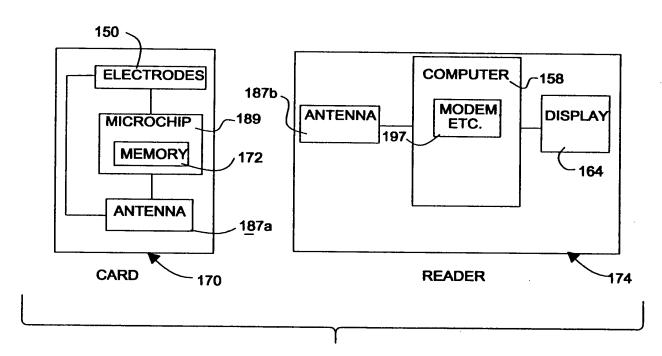
**FIG.87** 



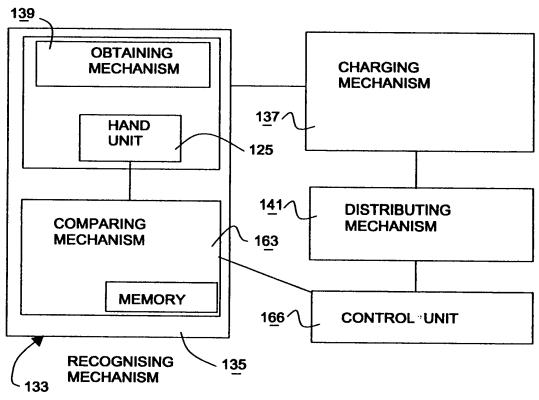


**FIG.88** 

**FIG.89** 



**FIG.90** 



**FIG.91** 

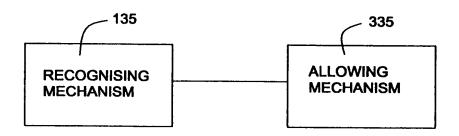
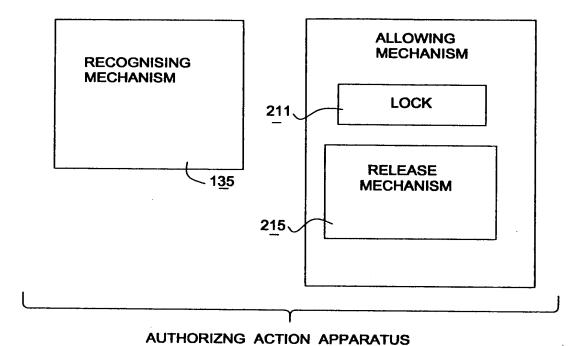
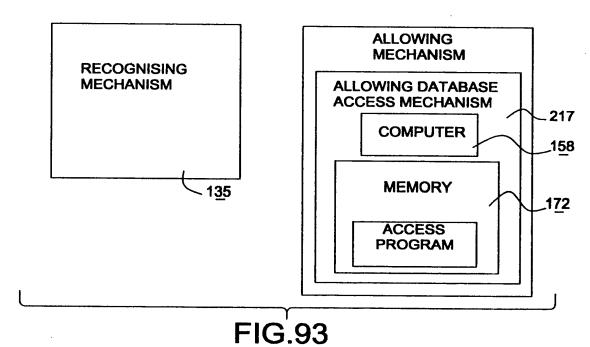


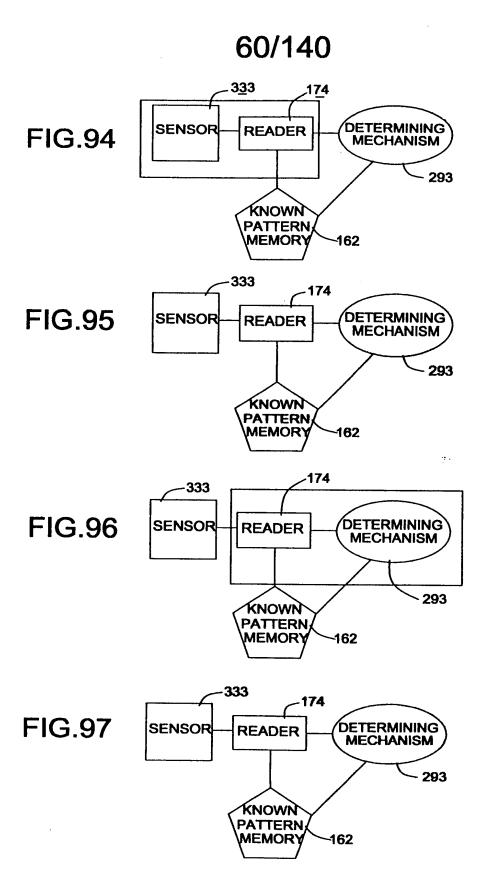
FIG.92a

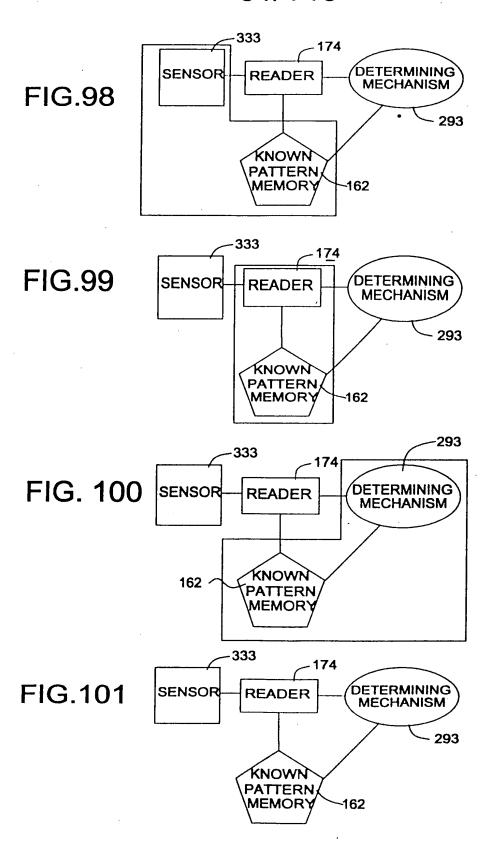


STICKLES NOTION ATTACK

FIG.92







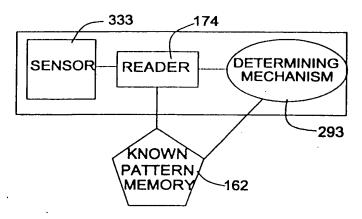


FIG.102

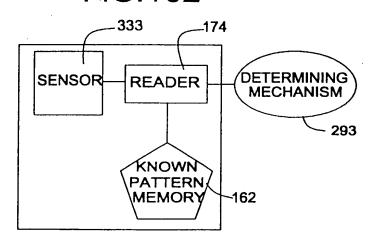


FIG.103

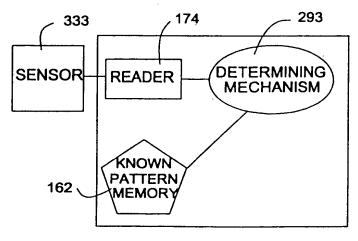


FIG.104

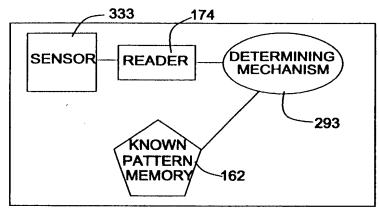


FIG.105

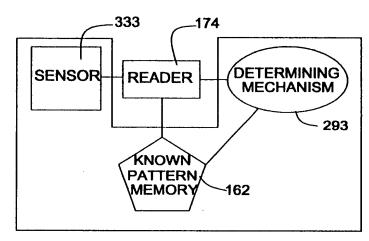


FIG.106

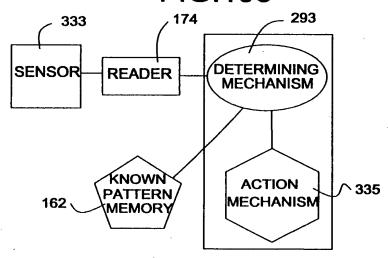


FIG.107

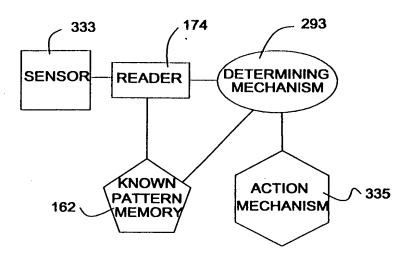


FIG.108

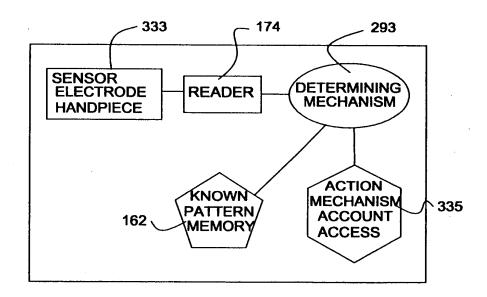
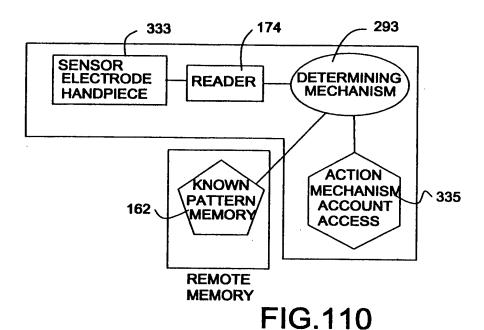
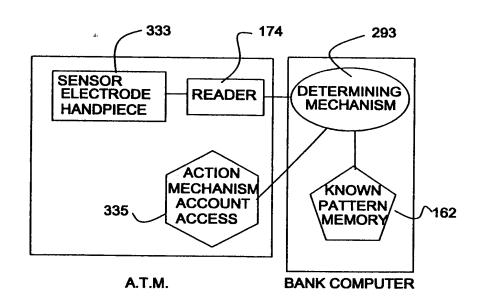


FIG.109





**FIG.111** 

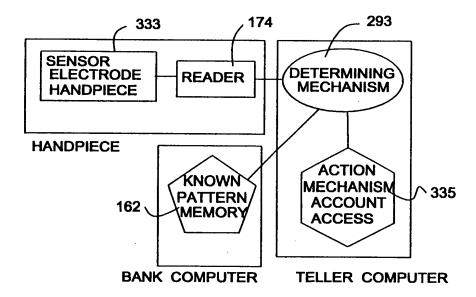


FIG.112

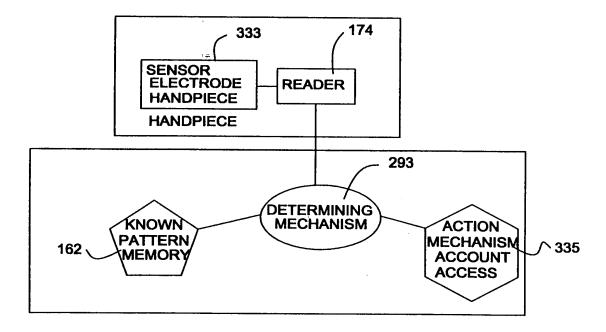
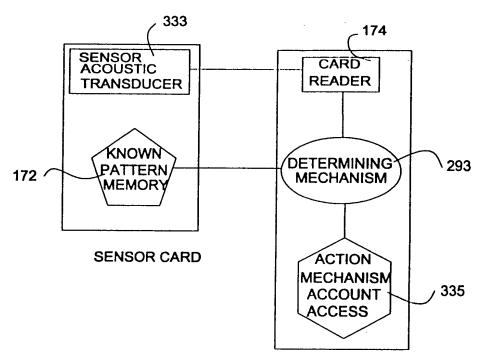
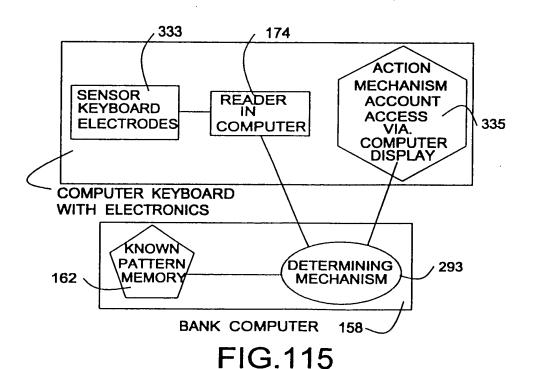


FIG.113



CARD READER COMBINATION

FIG.114



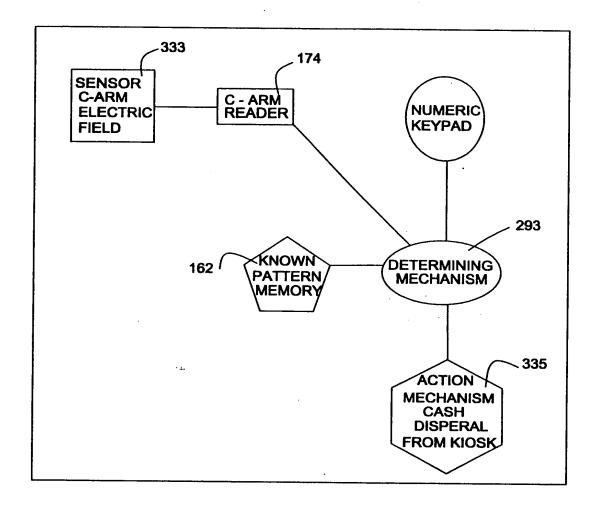


FIG.116

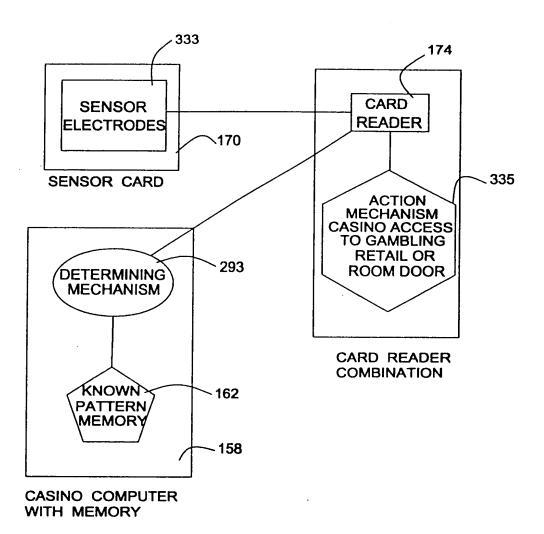
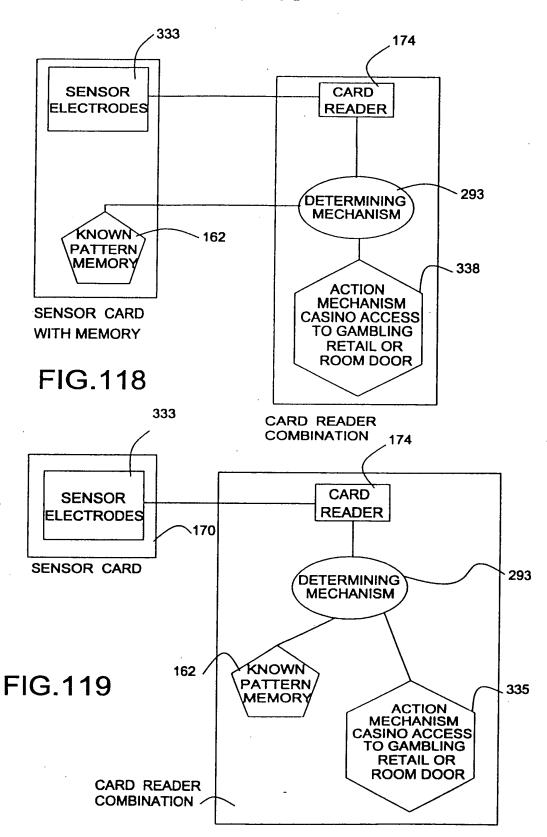


FIG.117



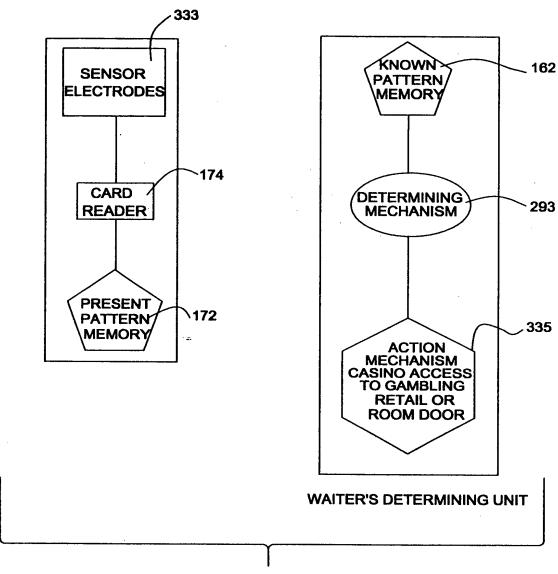


FIG.120

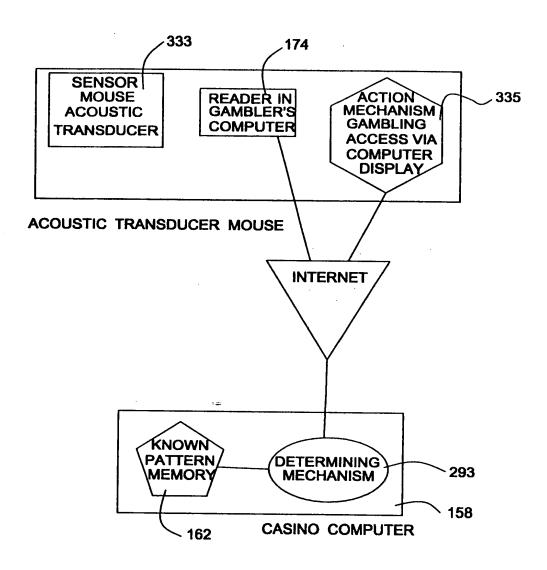


FIG.121

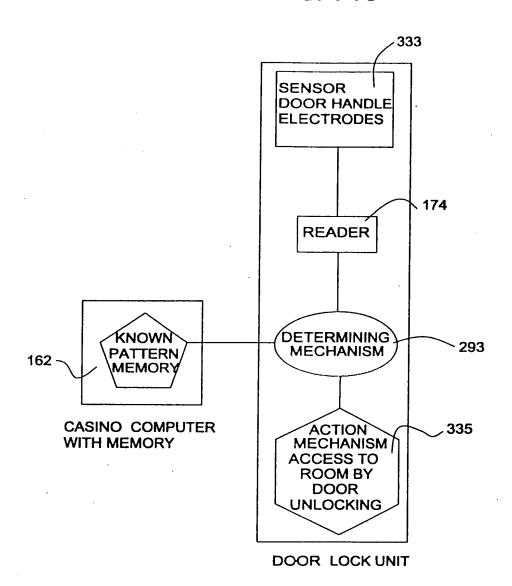


FIG.122

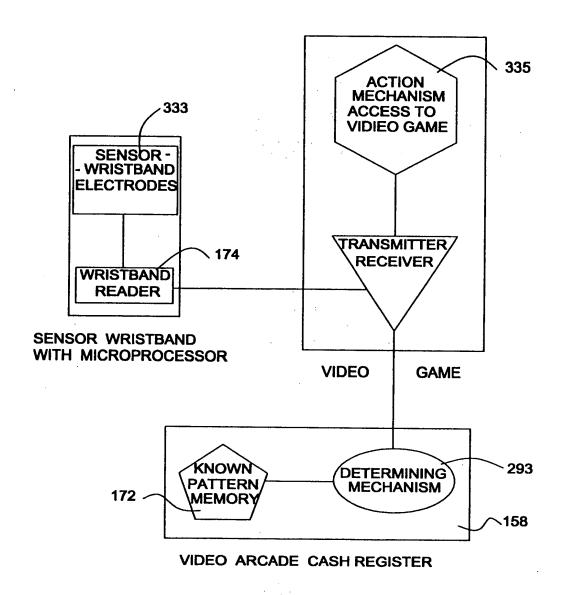


FIG.123

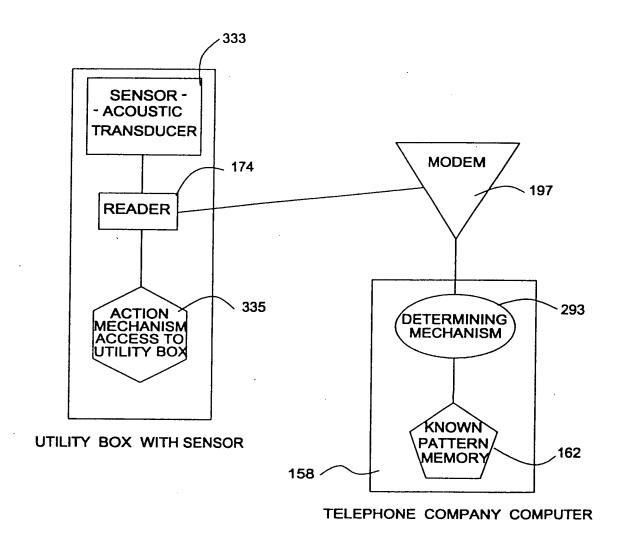


FIG.124

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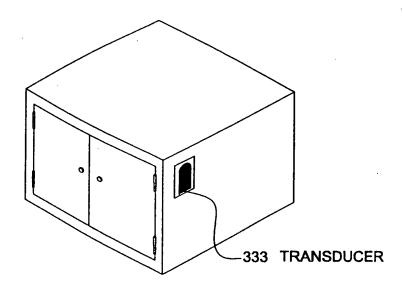
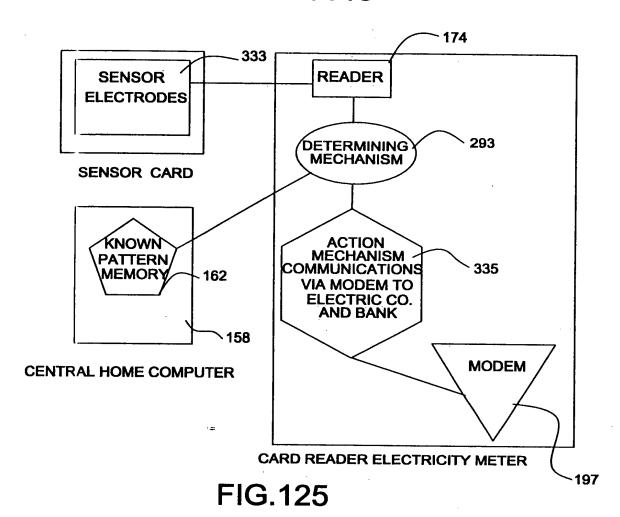


FIG.124a



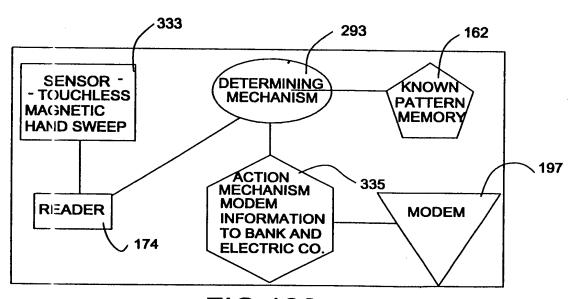
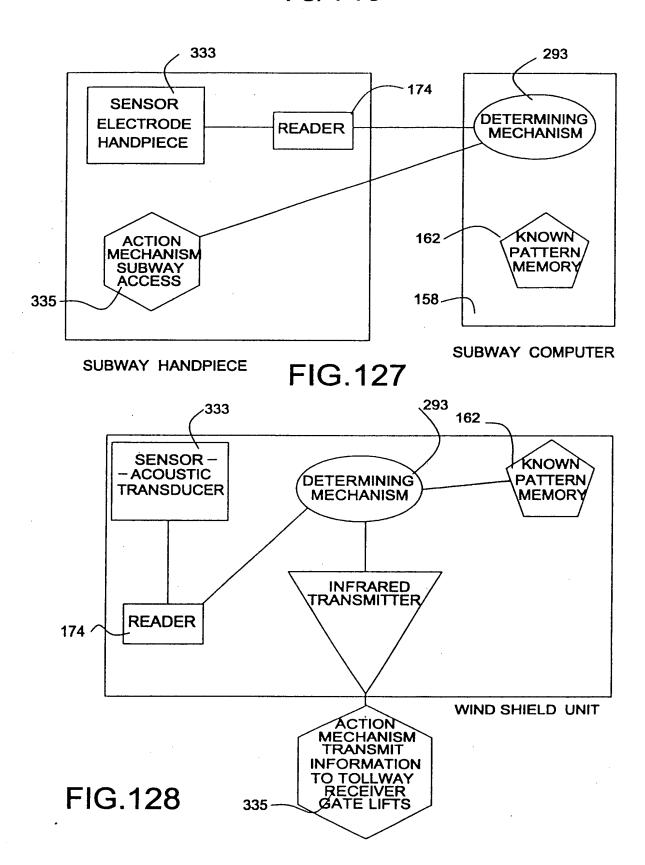
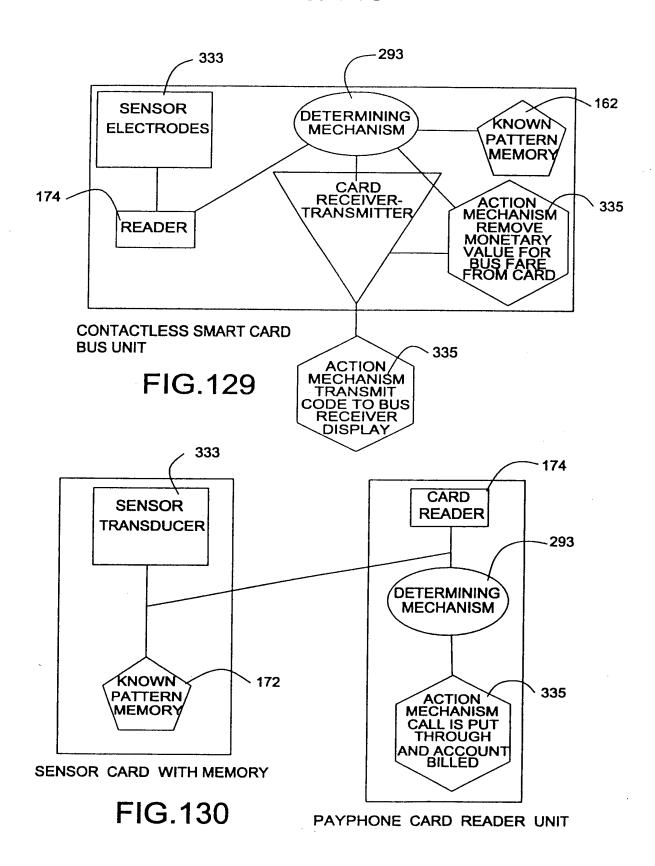


FIG.126

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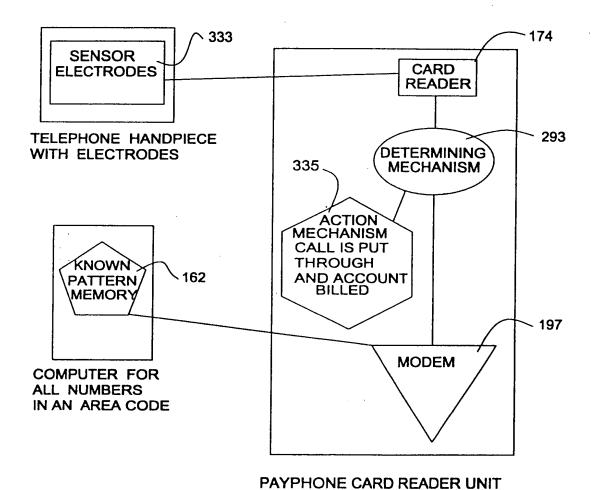
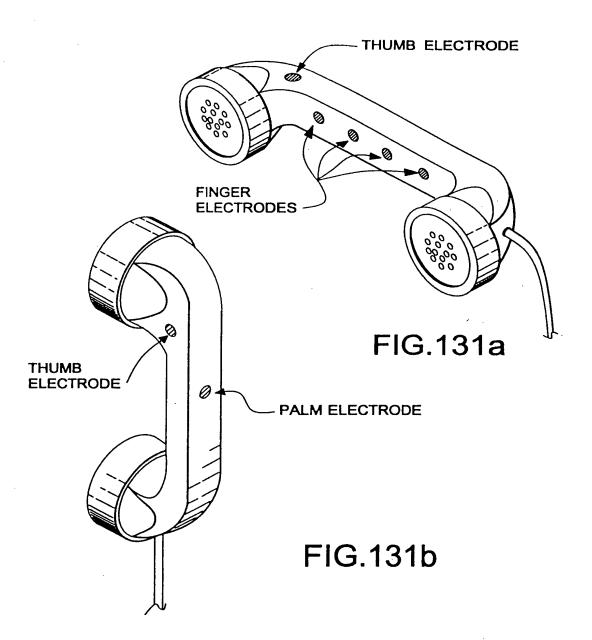
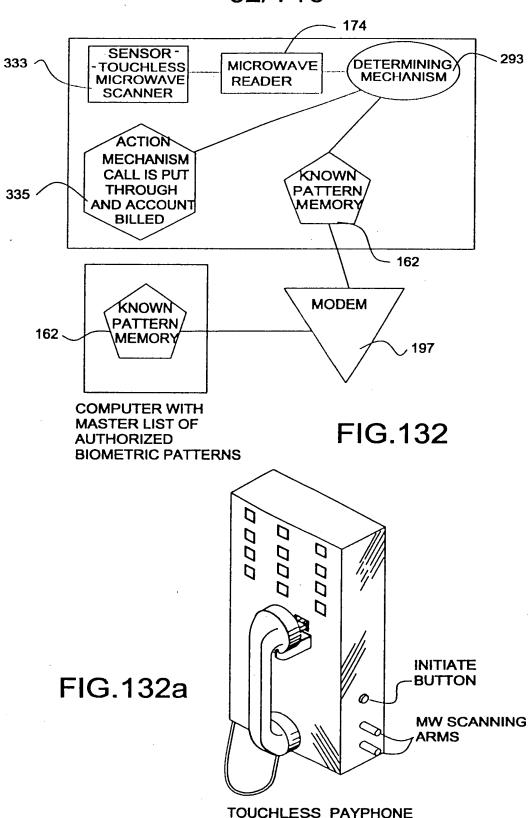
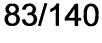
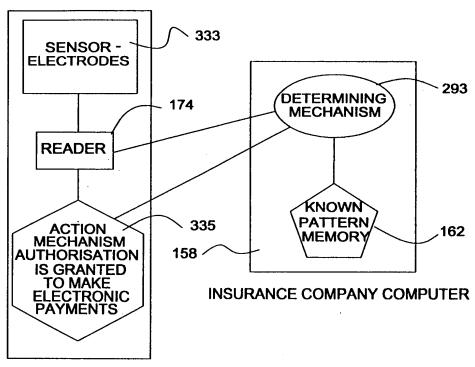


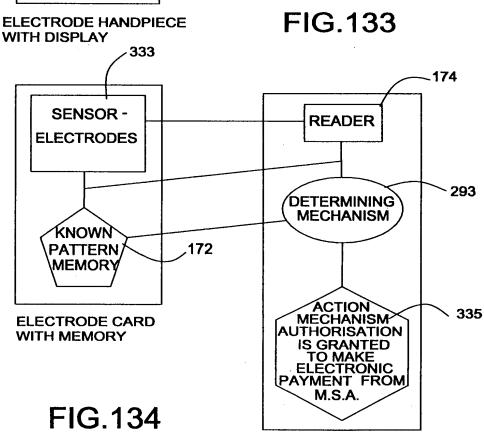
FIG.131

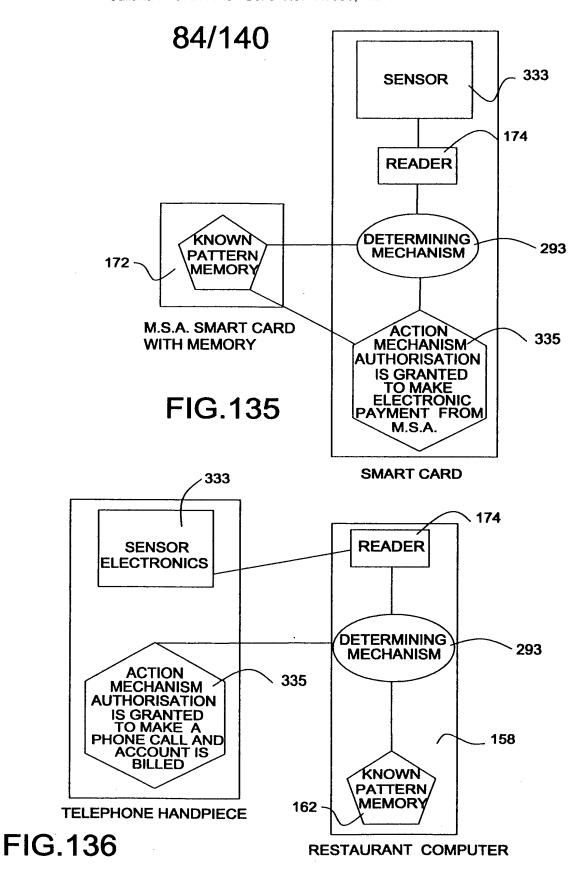












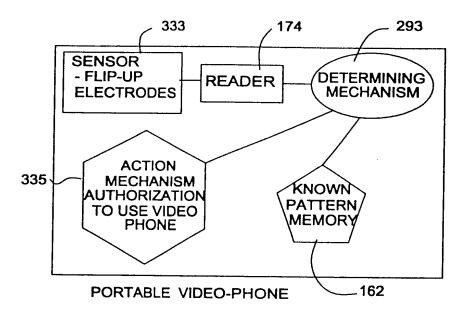


FIG.137

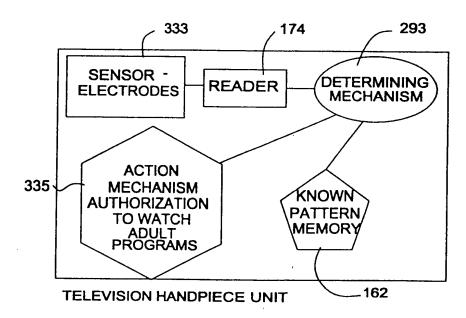


FIG.138

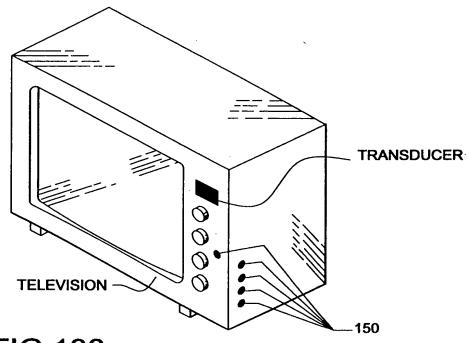


FIG.138a

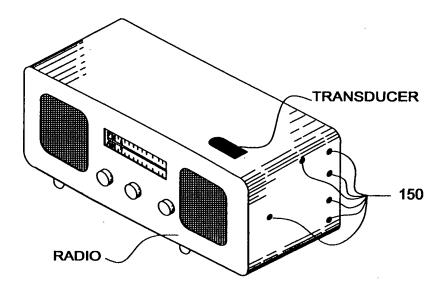
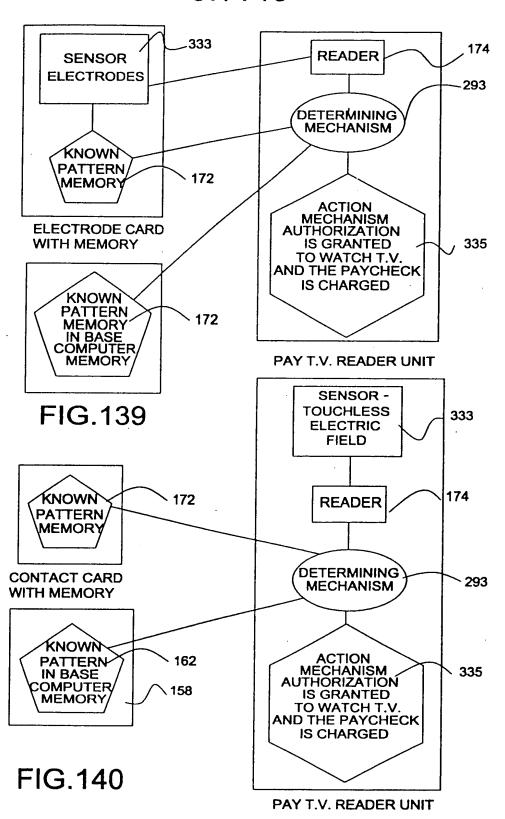
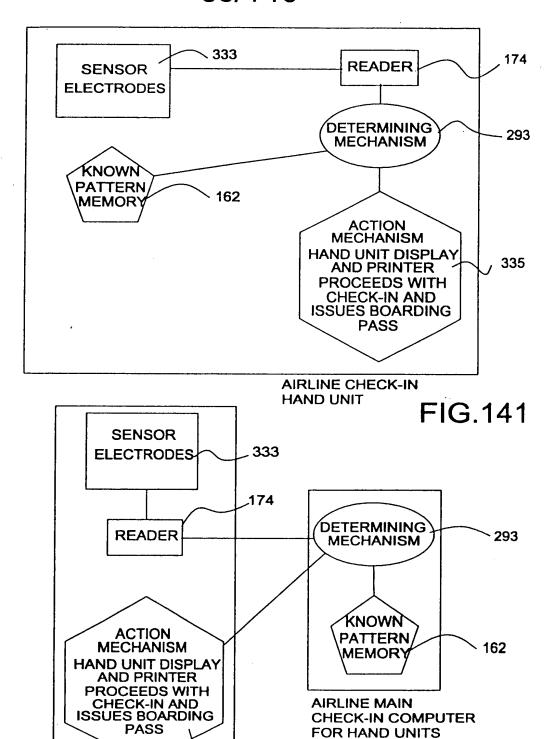


FIG.138b



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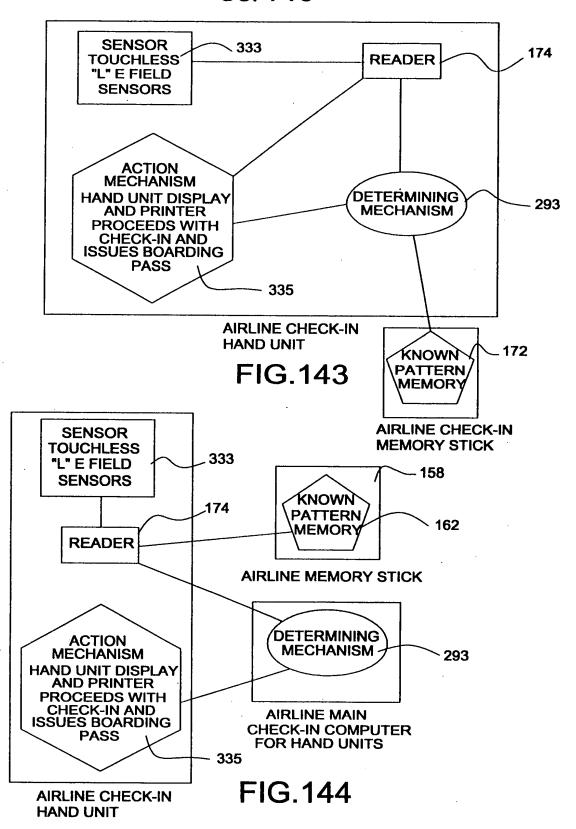


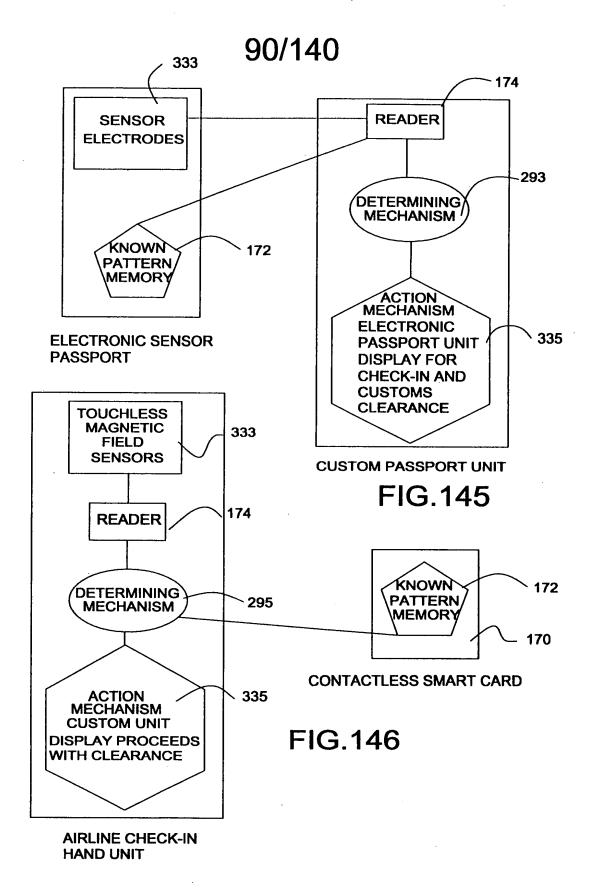
335

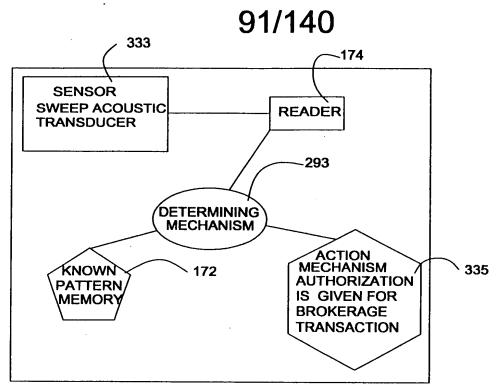
**AIRLINE CHECK-IN** 

HAND UNIT

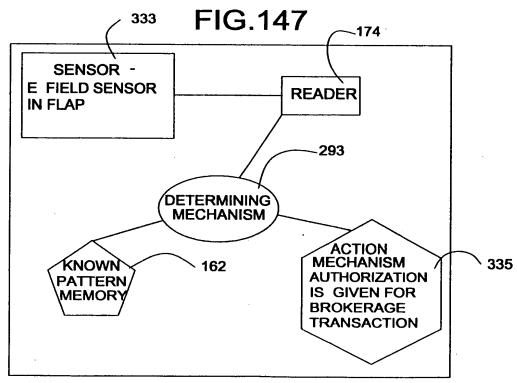
FIG.142



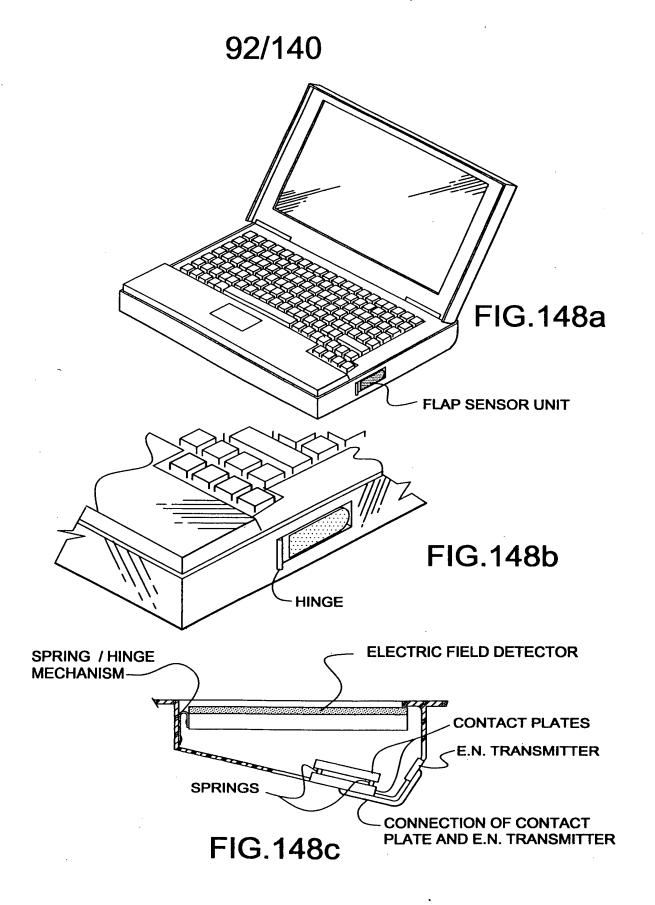


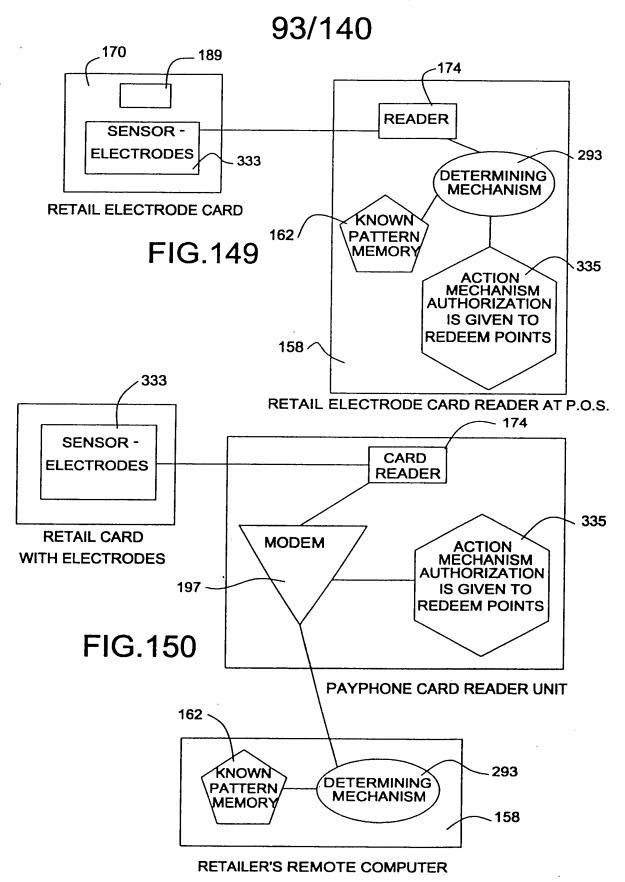


RECESSED SENSOR UNIT IN LAP-TOP COMPUTOR



RECESSED FLAP SENSOR UNIT IN LAP-TOP COMPUTER FIG. 148





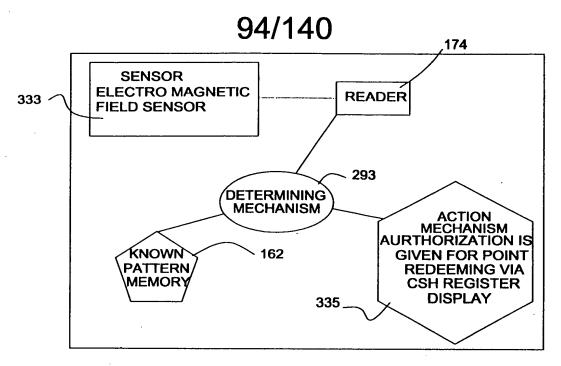
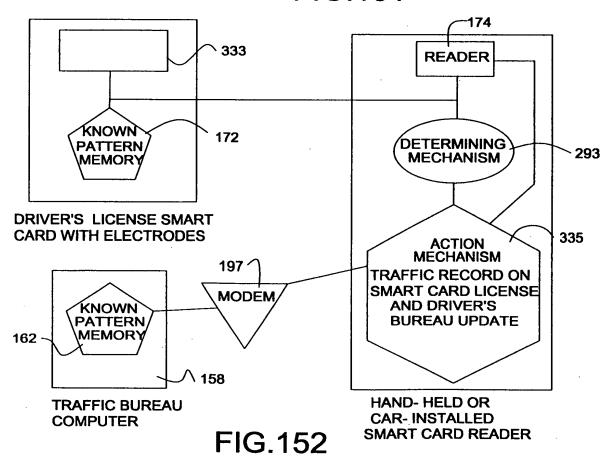
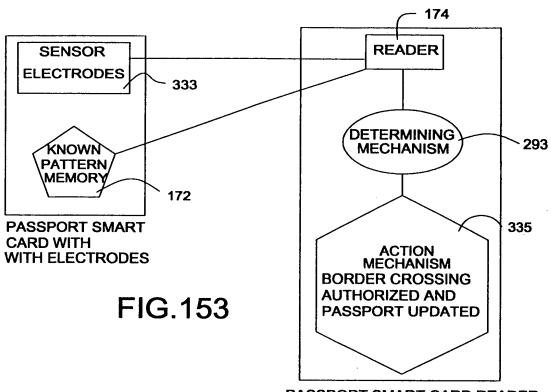


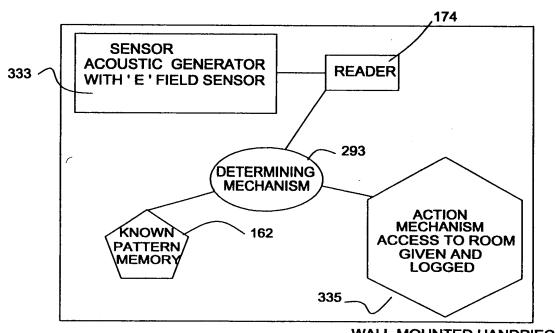
FIG.151



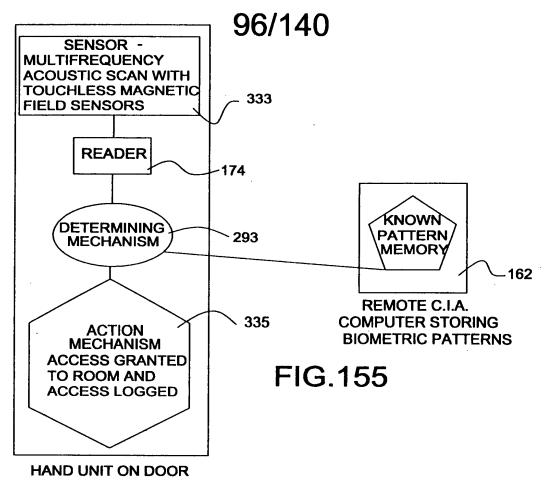
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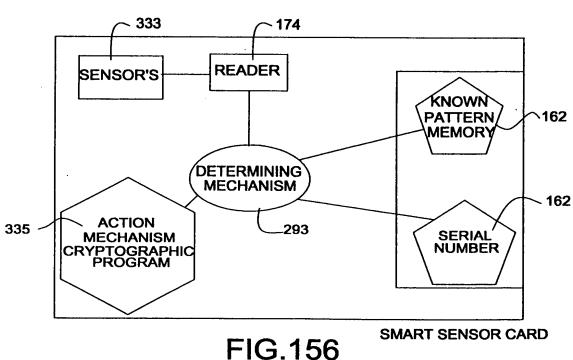


#### PASSPORT SMART CARD READER



WALL MOUNTED HANDPIECE NEXT TO DOOR





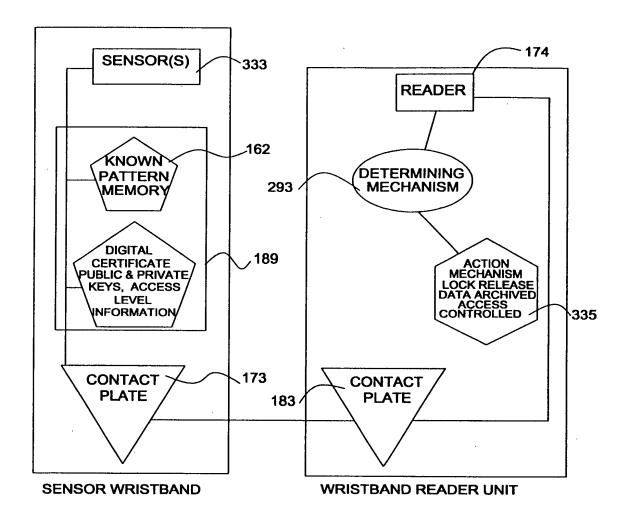


FIG.157

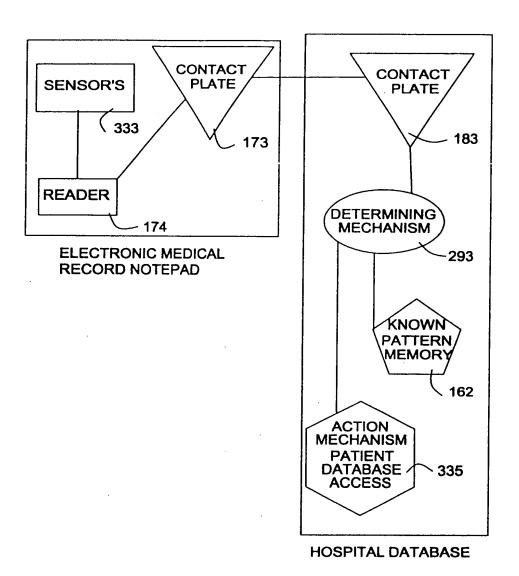
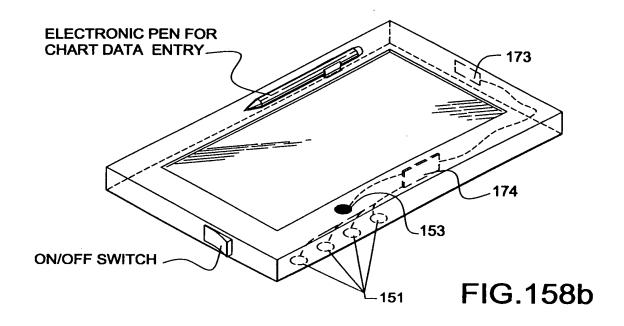
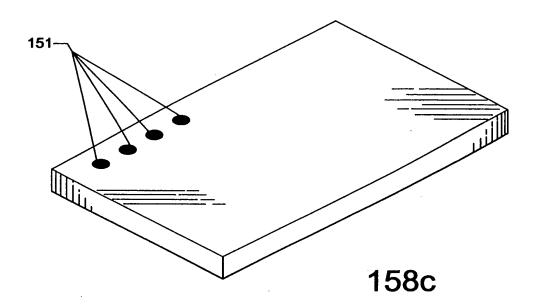


FIG.158





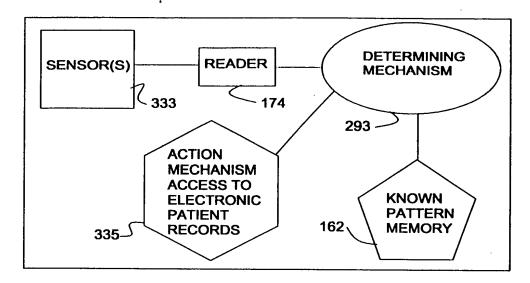
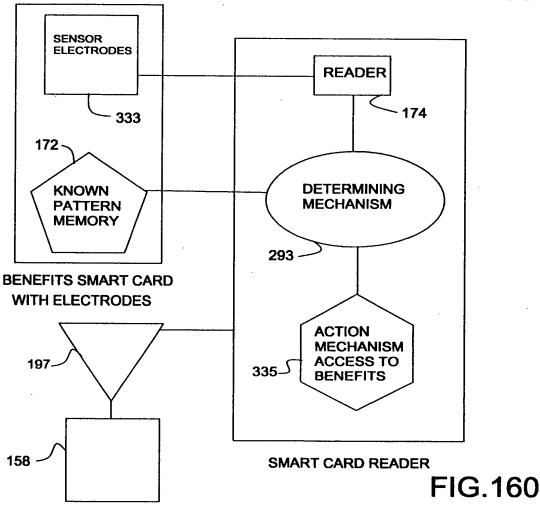
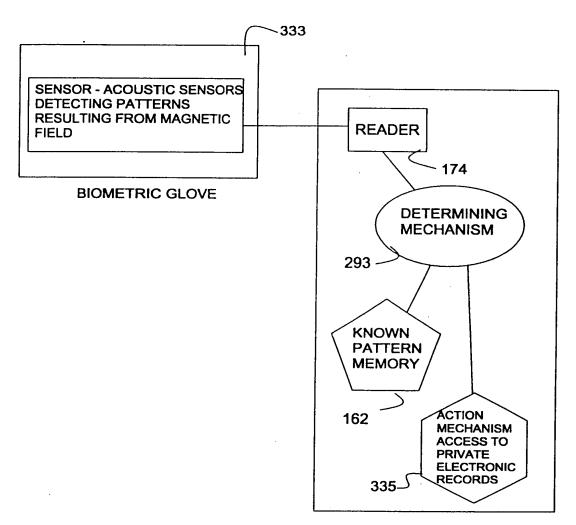


FIG.159



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GLOVE READER UNIT IN RECORDING ACCESS DEVICE

FIG.161

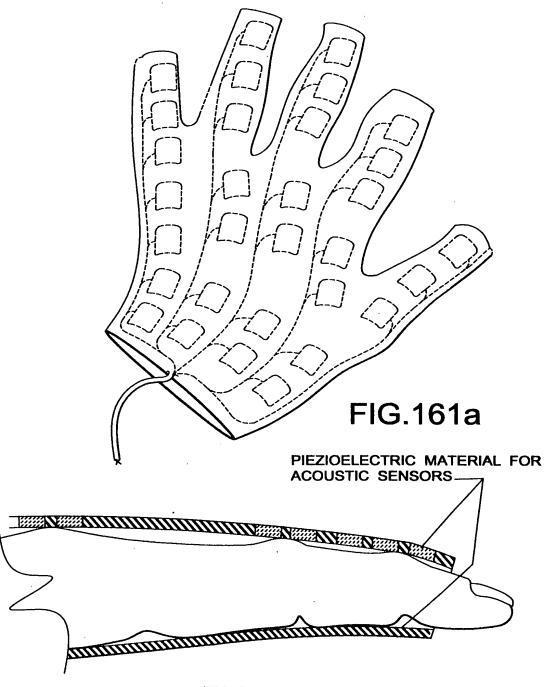
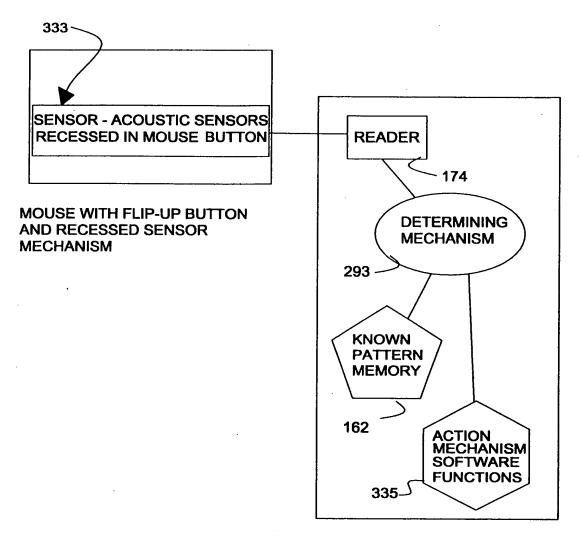


FIG.161b

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READER UNIT COMMUNICATING WITH MOUSE

FIG.162

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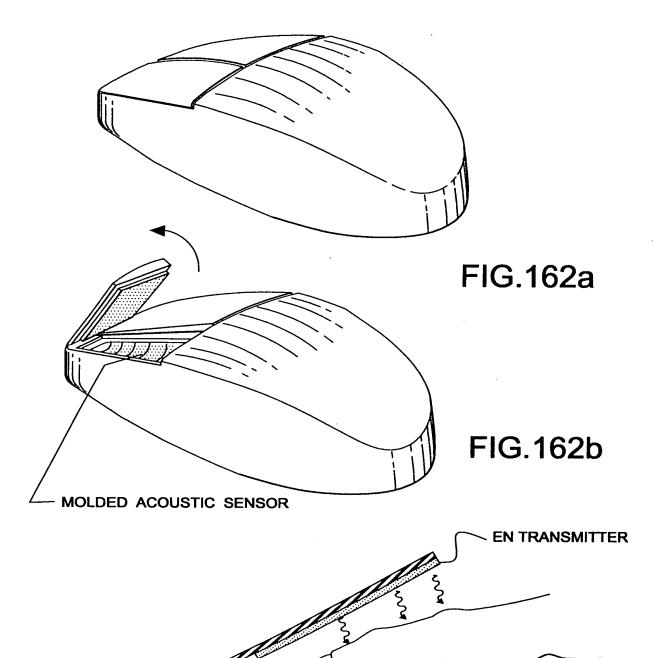


FIG.162c

PRESSURE ACTIVATED

**ACOUSTIC SENSOR** 

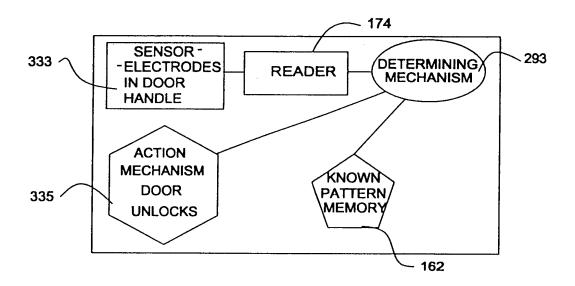
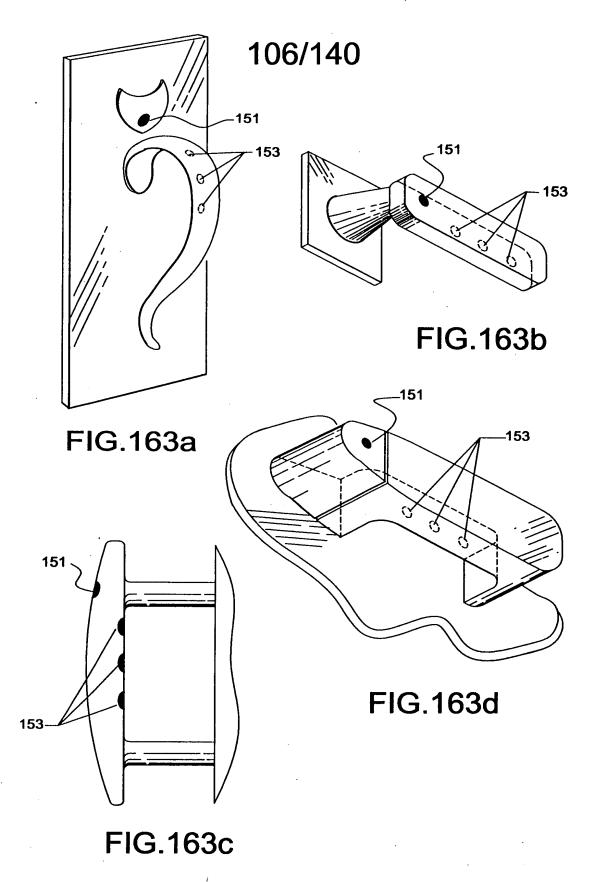


FIG.163



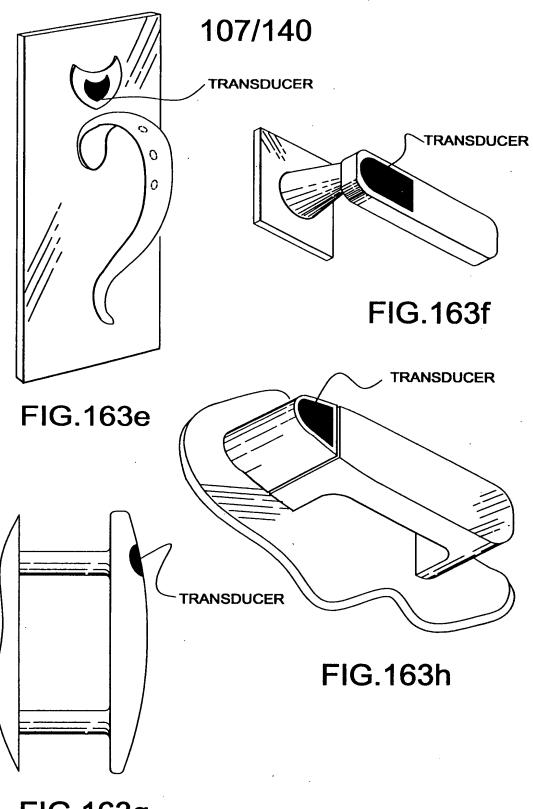
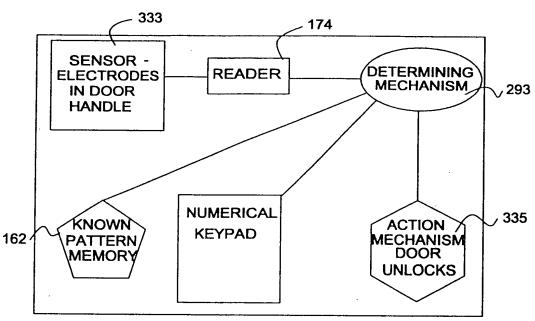


FIG.163g



COMPOSITE BIOMETRIC LOCK

FIG.164

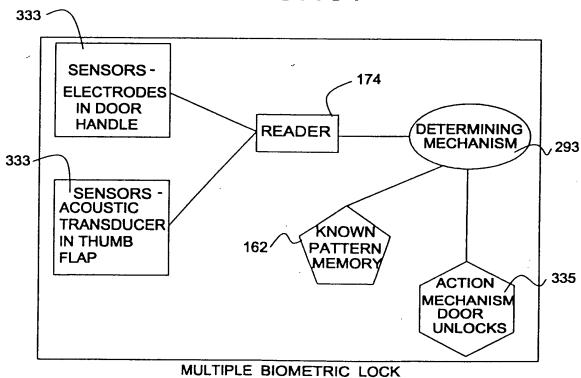
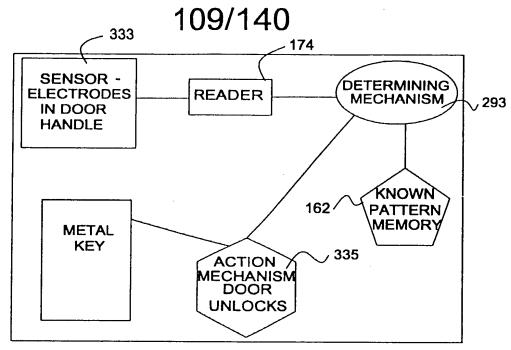
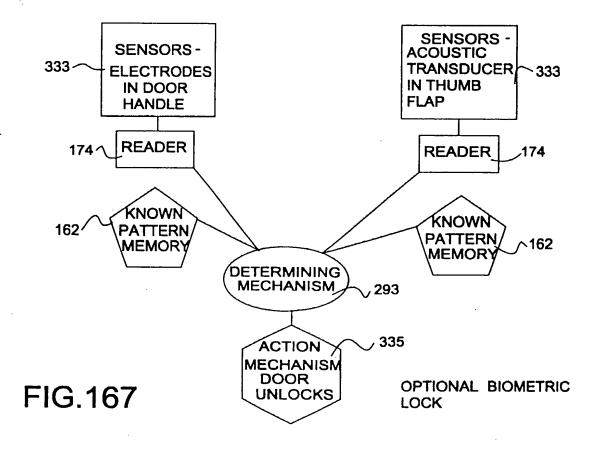


FIG.165

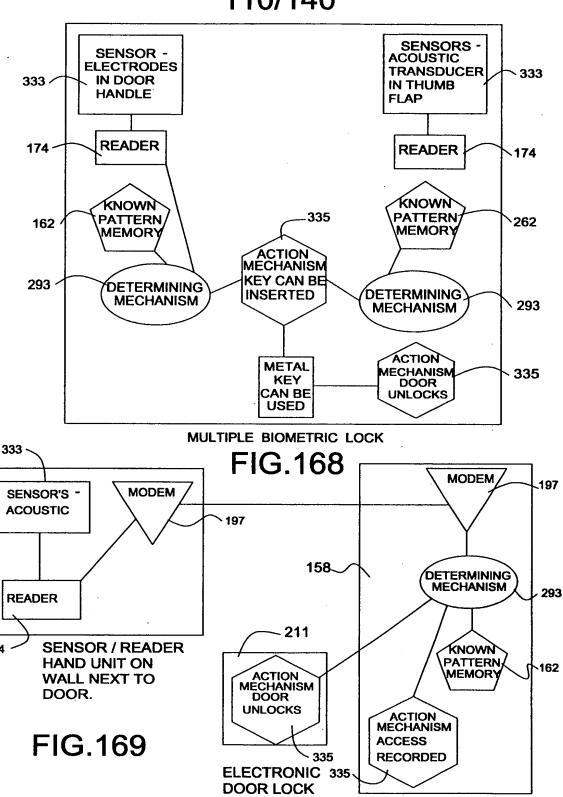


OPTIONAL BIOMETRIC LOCK BIOMETRIC DOOR HANDLE

FIG.166



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LABORATORY COMPUTER

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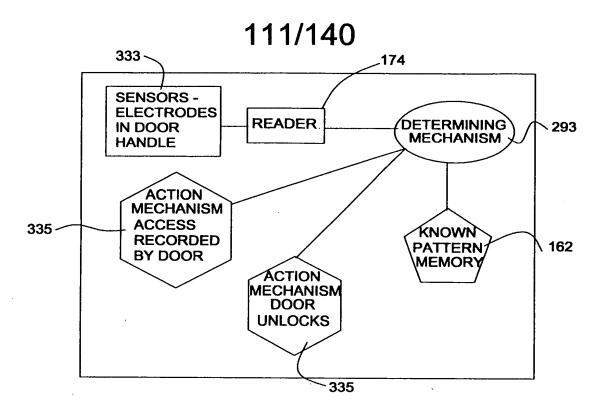
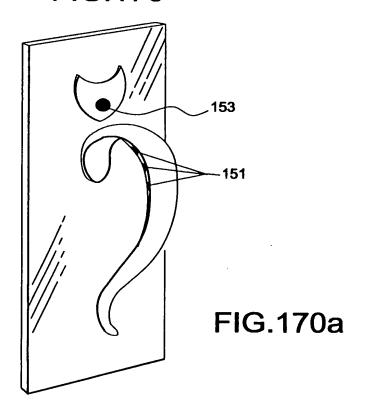
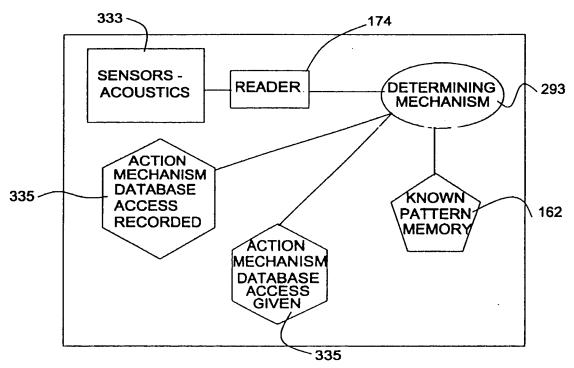


FIG.170



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RESTRICTED DATABASE ACCESS UNIT ON SIDE OF MONITOR

FIG.171

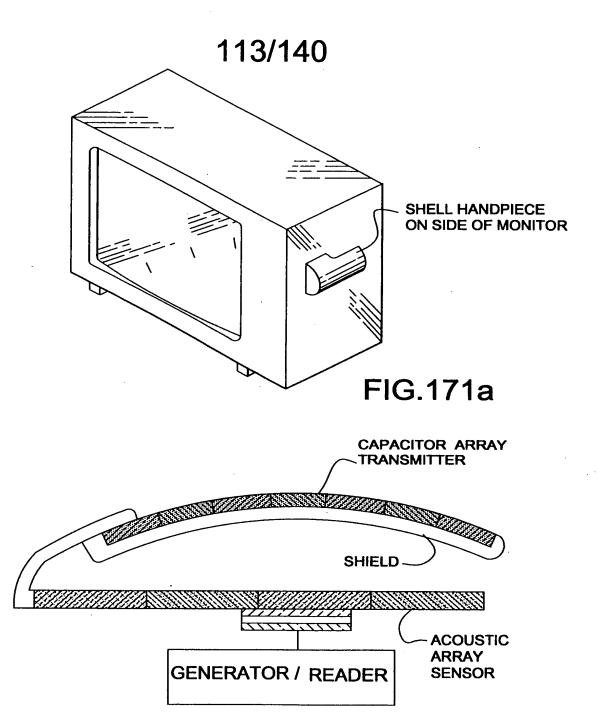
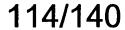
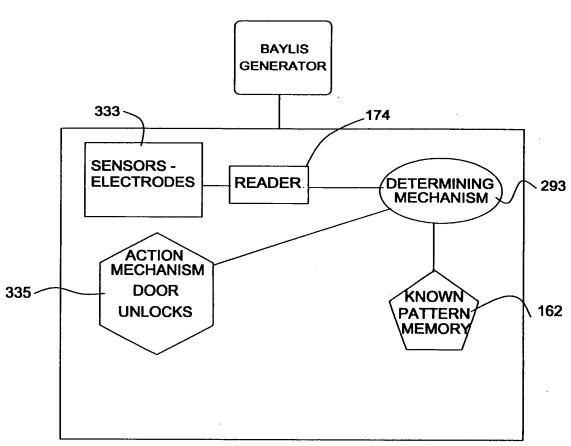


FIG.171b





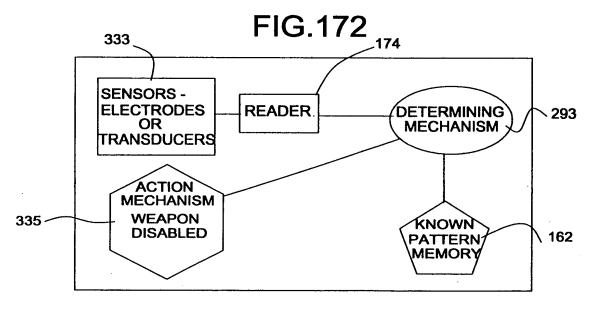


FIG.173

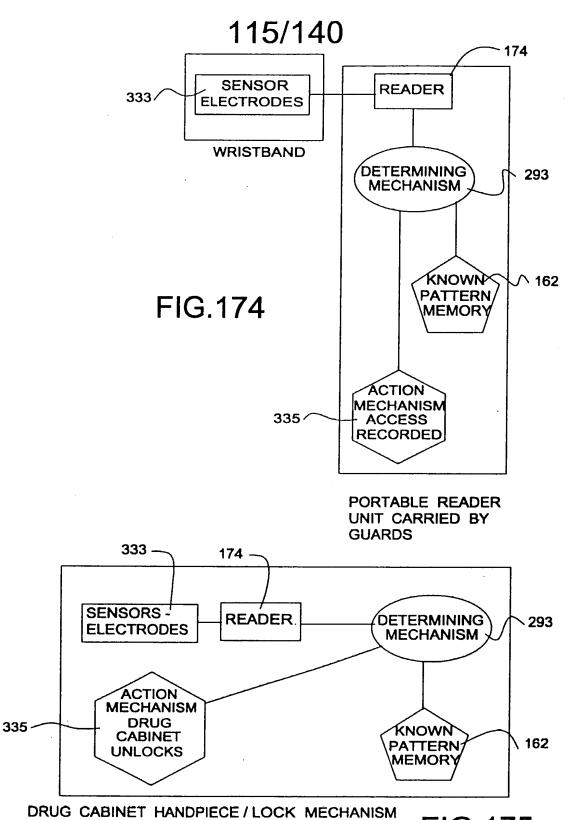
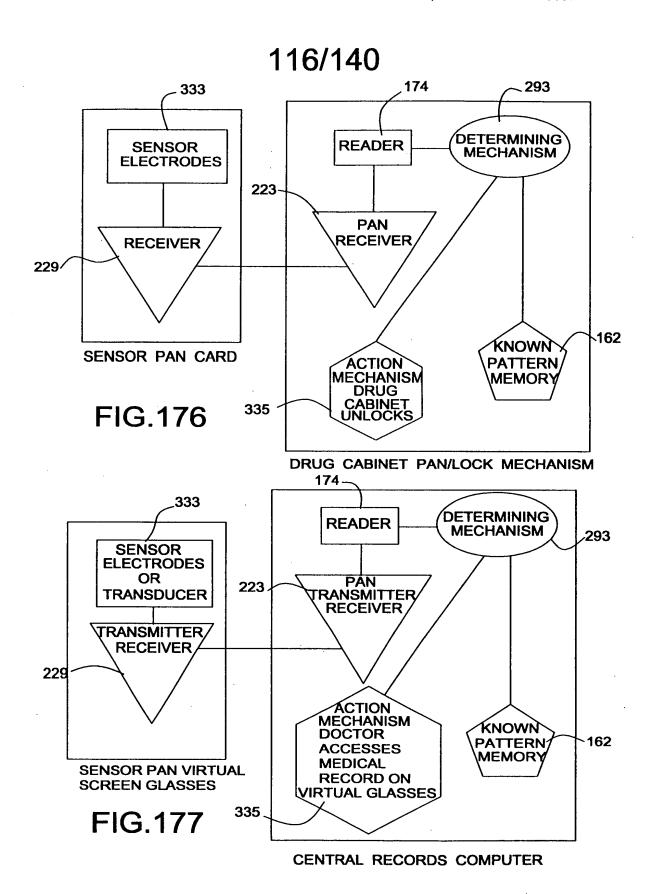
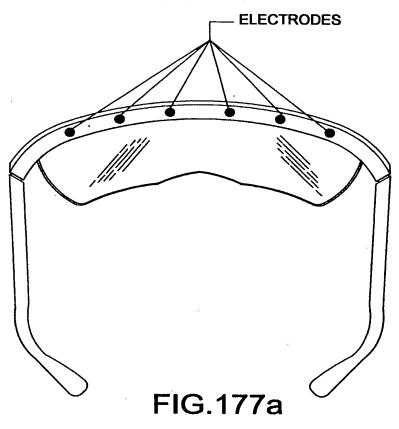


FIG.175



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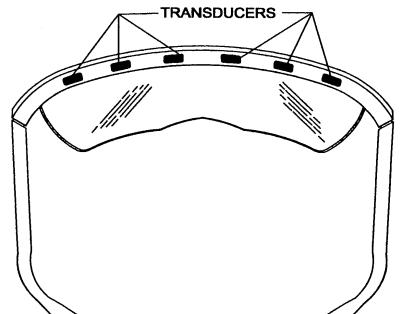
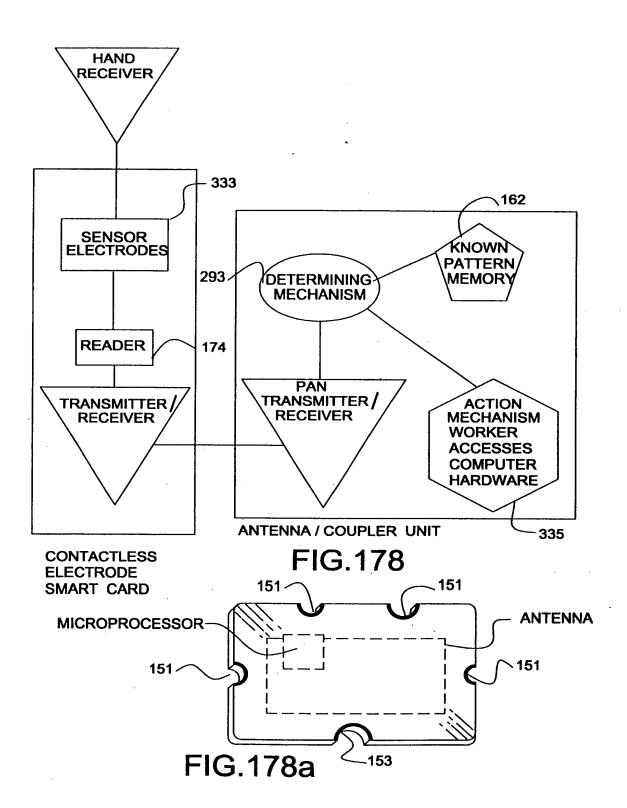
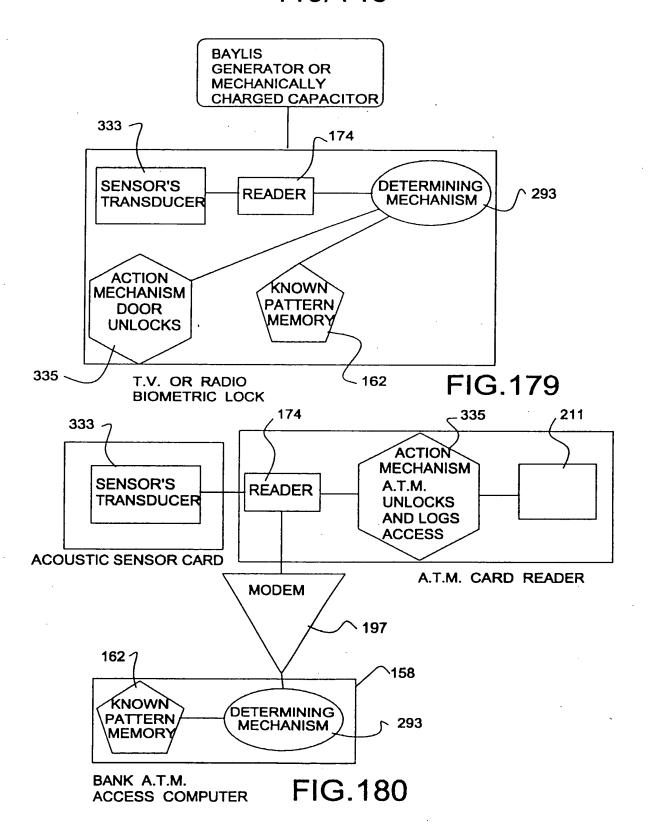
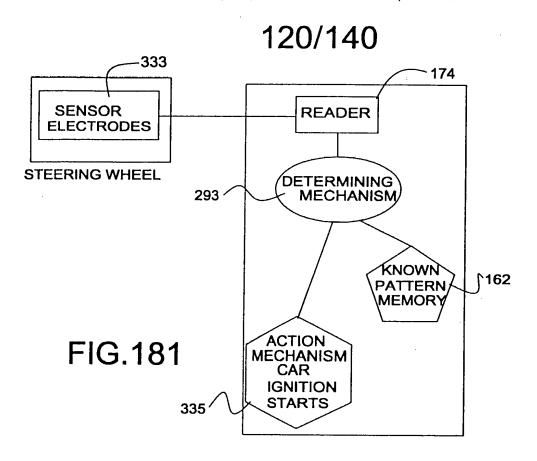


FIG.177b







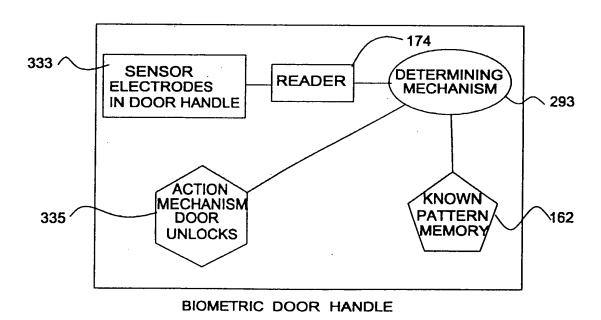


FIG.182

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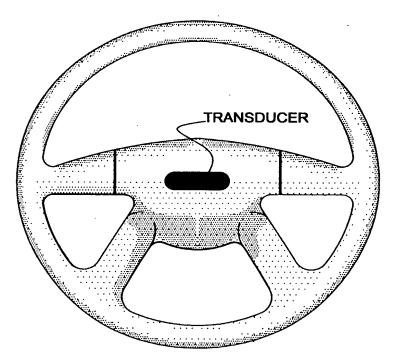


FIG.182a

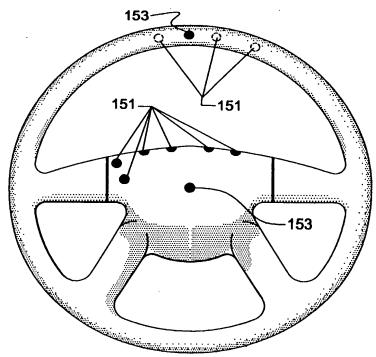
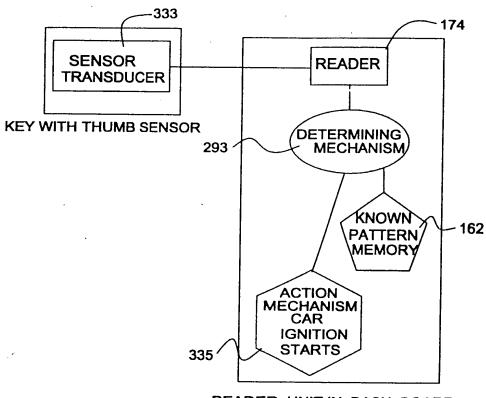


FIG.182b

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READER UNIT IN DASH BOARD

FIG.183

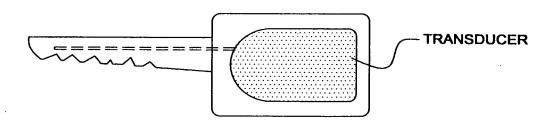
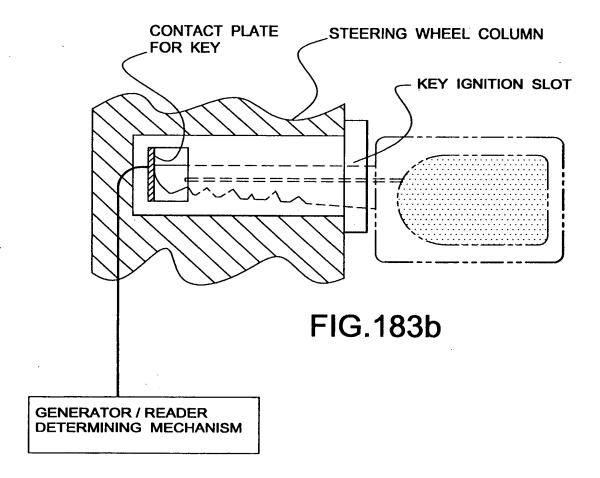
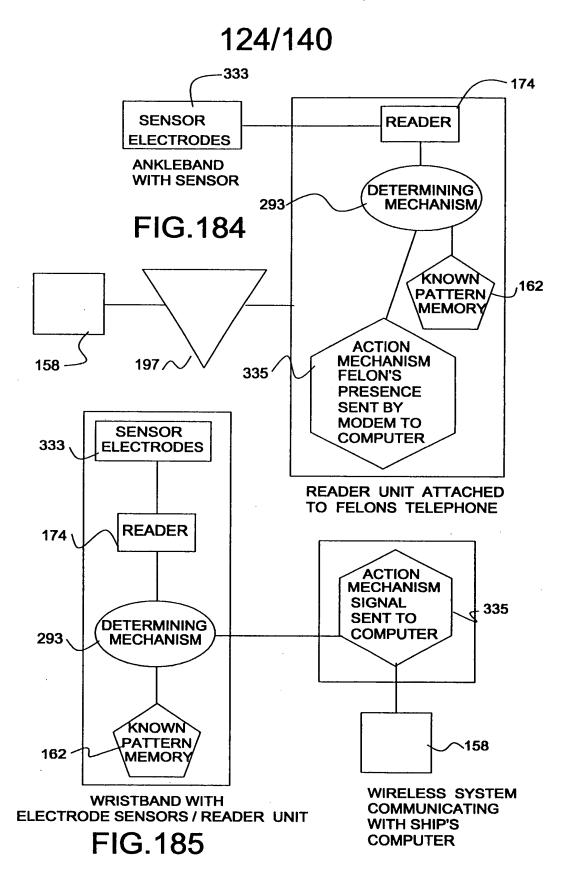


FIG.183a





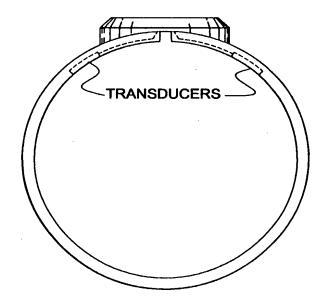
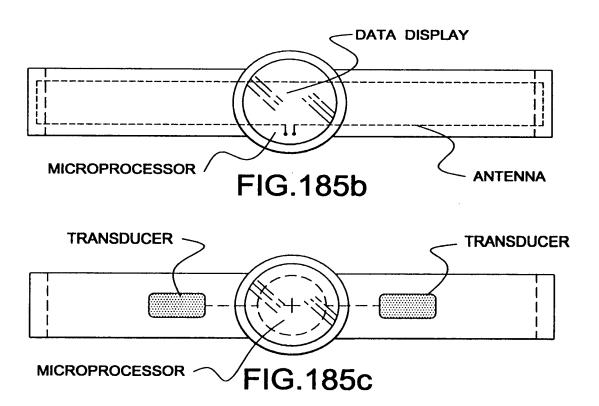


FIG.185a



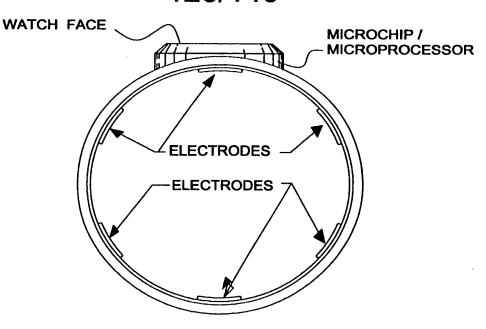
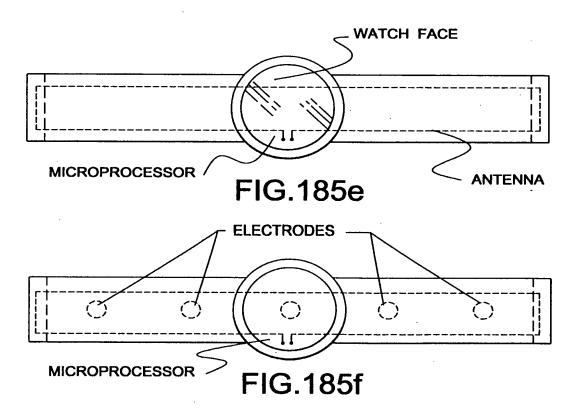
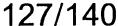
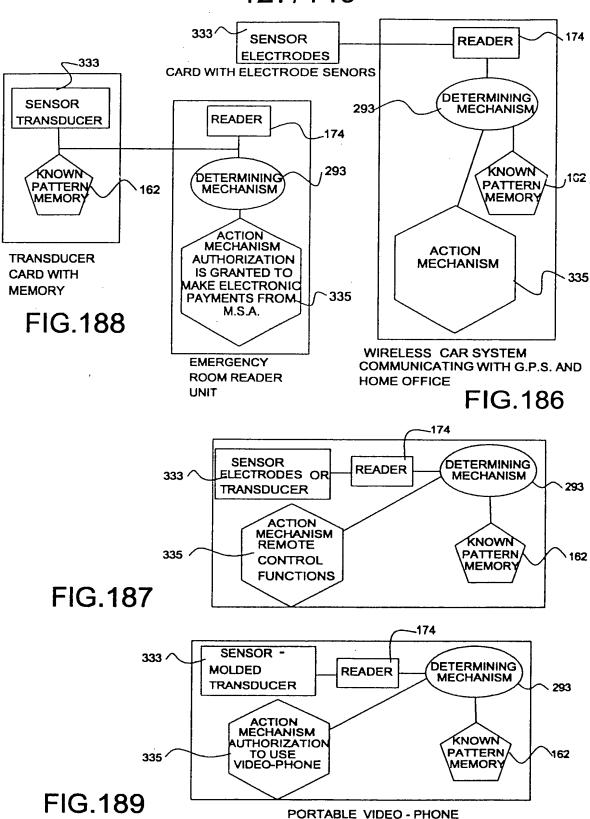


FIG.185d







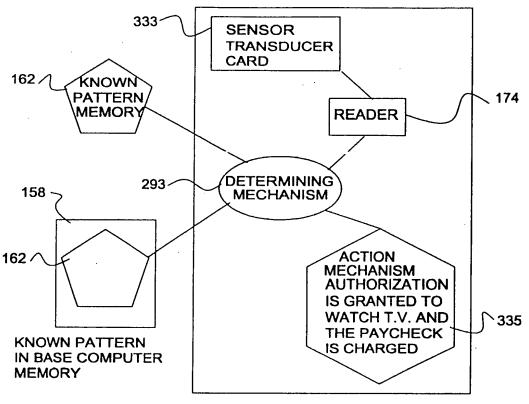


FIG.190 PAY T.V. READER UNIT

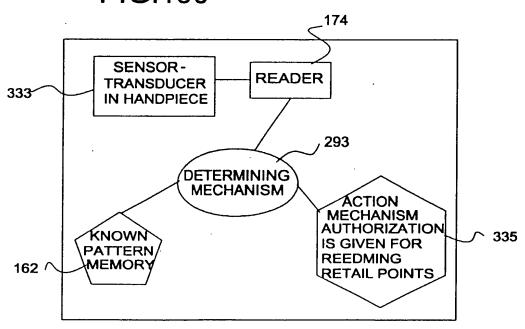
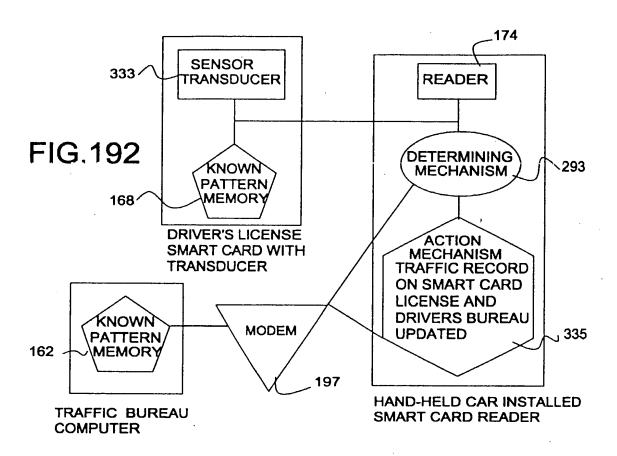
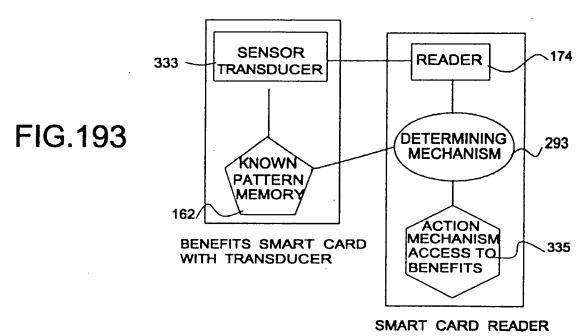
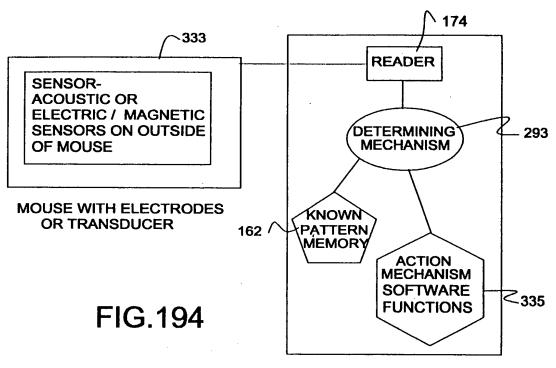


FIG.191

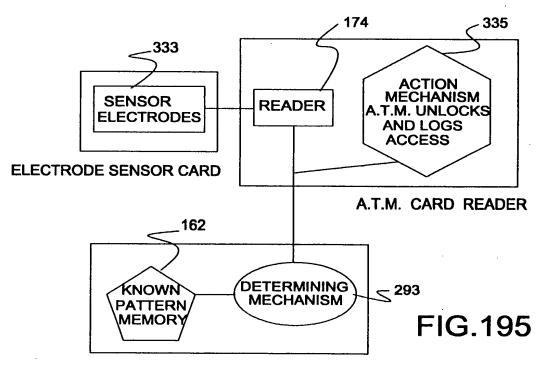
ACOUSTIC HANDPIECE AT CASH REGISTER



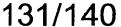


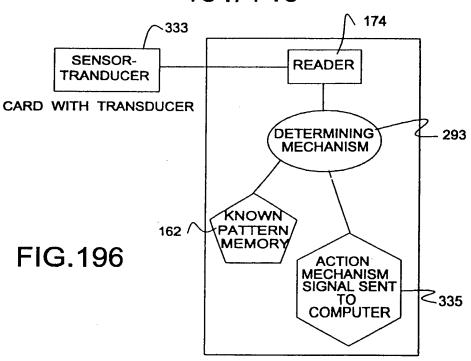


READER UNIT COMMUNICATING WITH MOUSE

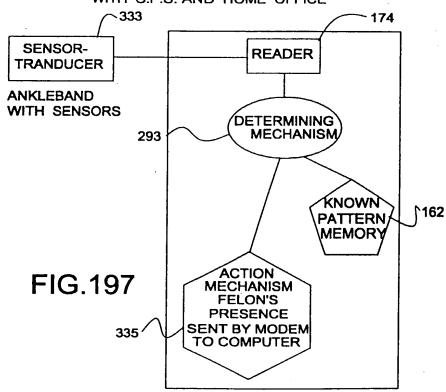


BANK A.T.M. ACCESS COMPUTER

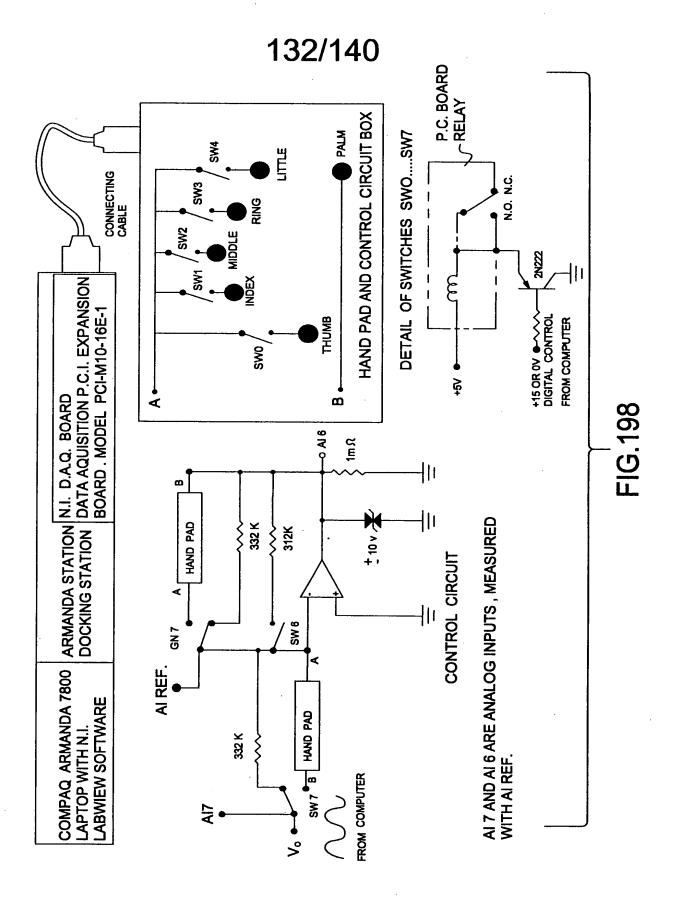


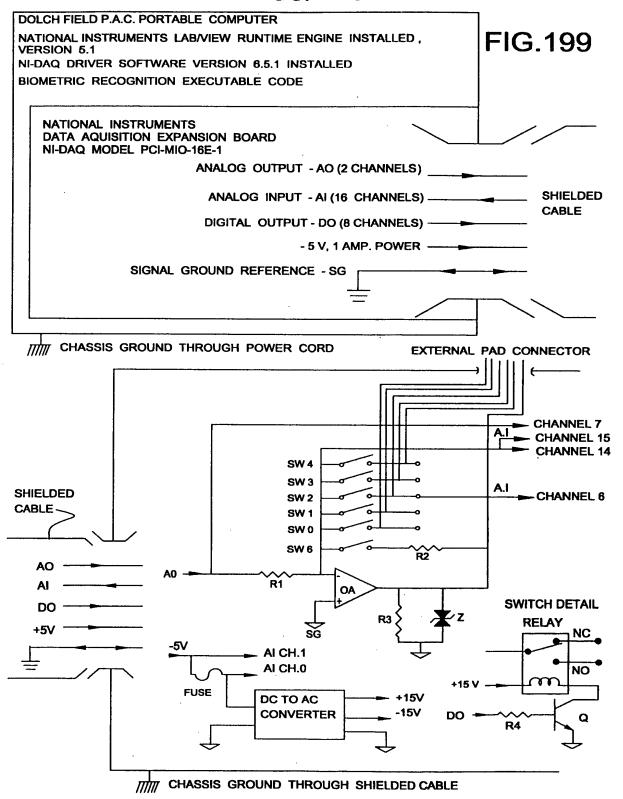


## WIRELESS CAR SYSTEM COMMUNICATING WITH G.P.S. AND HOME OFFICE



READER UNIT ATTACHED TO FELON'S TELEPHONE





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MECHANISM FOR RECOGNIZING A BIOMETRIC SIGNATURE OF AN INDIVIDUAL FROM ENERGY EMITTED BY THE INDIVIDUAL.

ALLOWING AN ACTION MECHANISM

FIG.200

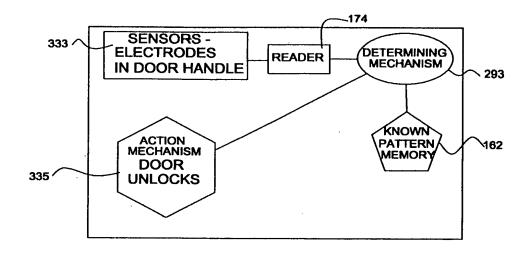


FIG.201

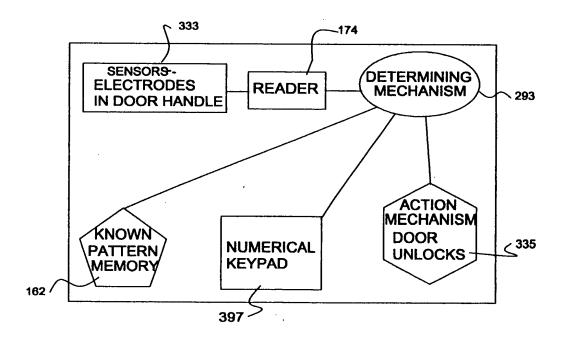


FIG.202

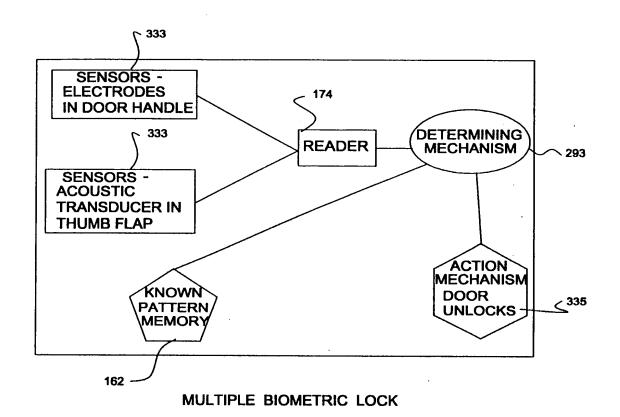


FIG.203

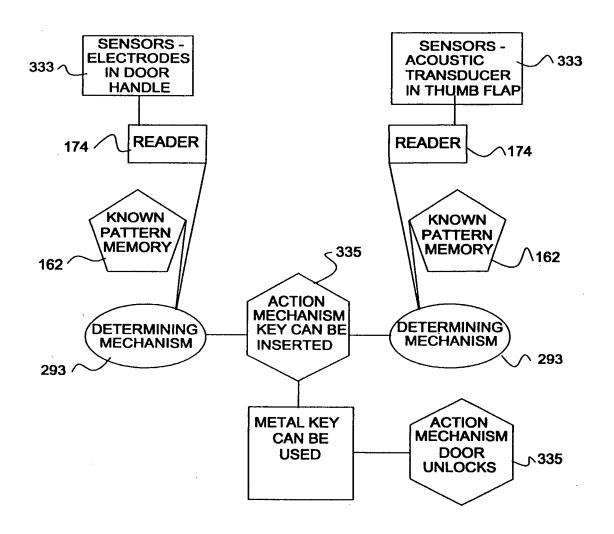
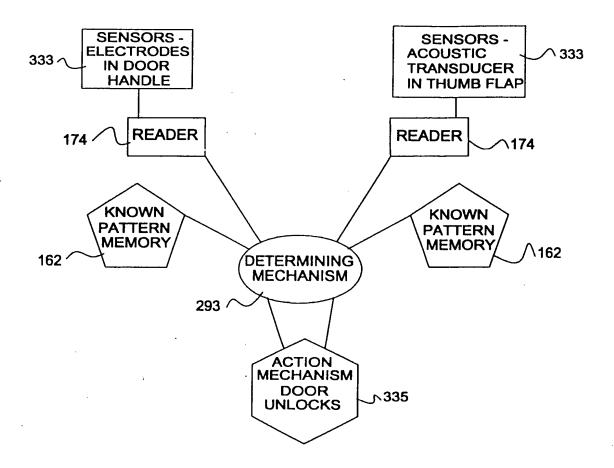


FIG.204

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OPTIONAL MULTIPLE BIOMETRIC LOCK

FIG.205

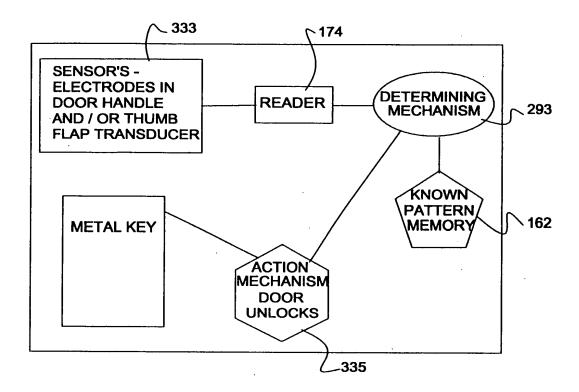


FIG.206

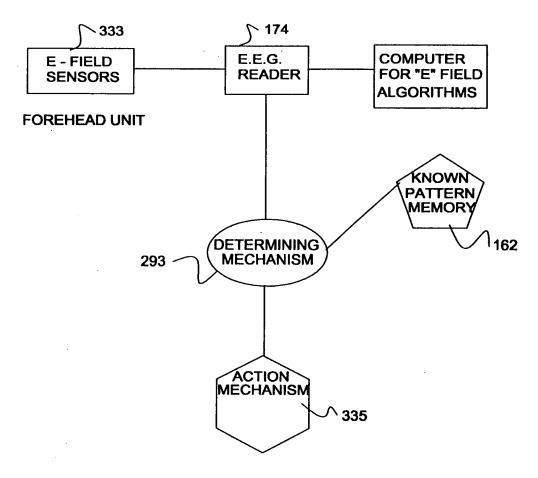


FIG.207